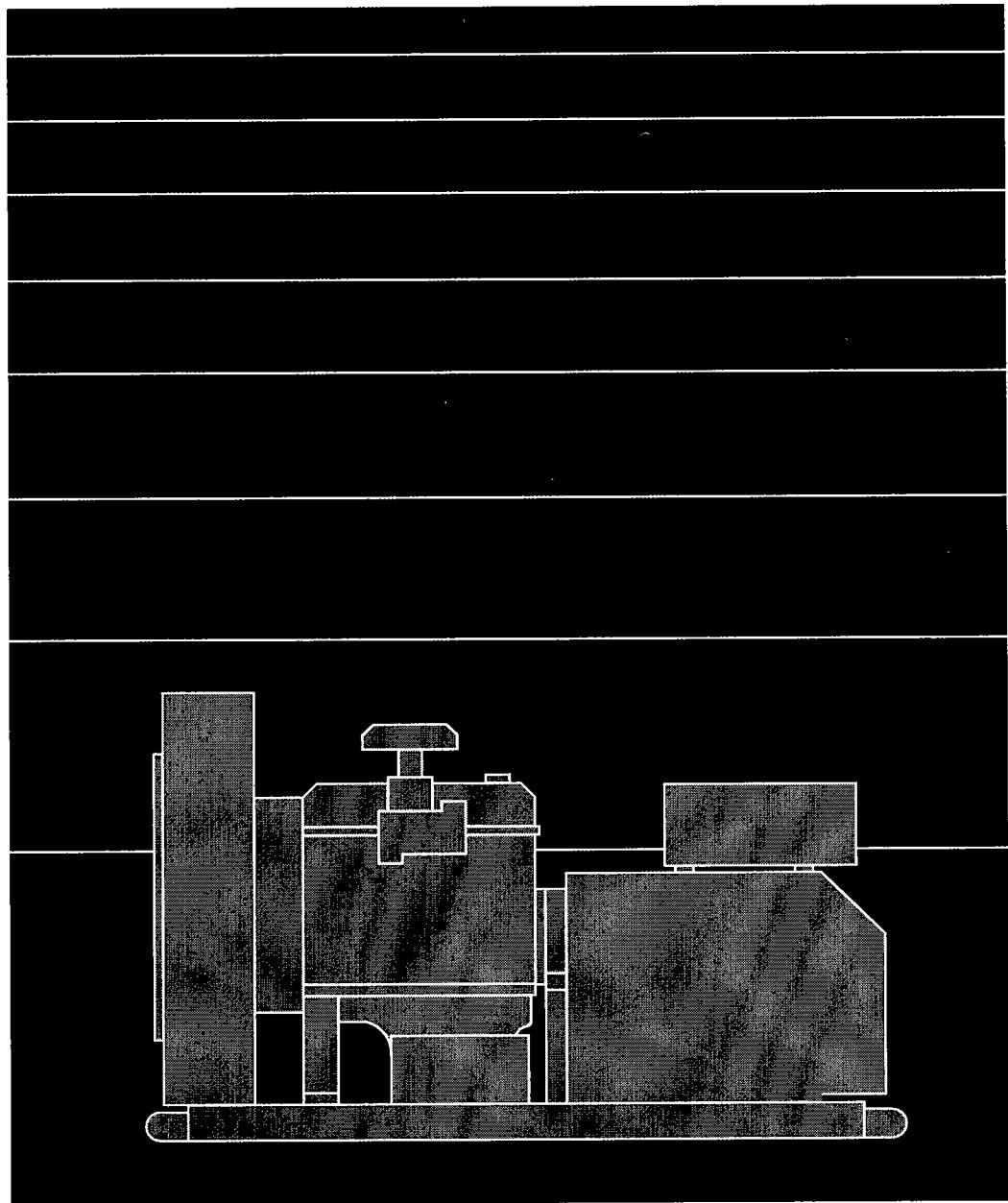




# Parts Catalog

ES

## Generator Set



Printed in U.S.A.

928-0222 (Spec A-G) 1-98

Replaces 11-95 (Spec A-G)

## Introduction

This parts catalog applies to the standard sets listed below. The illustrations are arranged in groups of related items and each part or assembly is identified by a reference number. All parts illustrated are typical. Unless otherwise mentioned in the description or page heading, parts list the parts are interchangeable between models.

These typical illustrations are subject to change and reflect only the latest replacement parts arrangement. The right and left sides of the set are determined by FACING the engine end (FRONT) of the set.

## Set Data Table

Model Identification	Rating	RPM Rating	Battery Voltage
16.0ES - */#@	16,000 Watts	1500 RPM	12 VDC
20.0ES - */#@	20,000 Watts	1800 RPM	12 VDC

## Electrical Data Table

* Voltage Codes	Volts	Hertz	Wire	Phase	Notes
B (3)	120/240	60	3	1	
E (6D)	240/480	60	4	3	+
F (7)	220/380	60	4	3	
H (9X)	347/600	60	4	3	
L (15)	120/240	60	12	1	
L (15)	120/208	60	12	3	
	120/240				
	127/220				
	139/240				
	240/416				
	254/440				
	227/480				
N (53)	120/240	50	3	1	
Z (515)	110/220	50	12	1	+
	115/230				
Z (515)	110/190	50	12	3	+
	110/220				
	115/200				
	115/230				
	120/208				
	127/220				
	220/380				
	230/400				
	240/416				
	254/440				

\* – Voltage codes follow model letter designations.

# – Specification Number: Number 1 is standard, all others indicate variations.

\$ – Specification Letter: Letter advances (A to B, B to C, etc.) with major manufacturing changes.

+- The Stators are Reconnectible.

## Engine Replacement Parts

All engine replacement parts must be ordered from the engine manufacturer, except those modified or added by Onan. When ordering engine parts, refer to the manufacturers nameplate and supply the model, spec, serial number and other available information. Refer to the engine manufacturers manuals for your nearest authorized distributor or parts center; or contact the Onan distributor from whom you purchased this set for assistance. Ford model number for this set is LSG-423I-6005-A.

# Index

Actuator, Governor (Spec A–D), 51  
Actuator, Linear – Governor (Spec E–F), 52  
Adapter, Drain – Oil, 11  
Adapter, Generator, 11  
Adapter, Governor Linkage, 52  
Alternator, 55  
Ammeter – AC – Sets With Multi Fault Light & AC Meters (Begin Spec B), 91  
Ammeter – AC – Sets With Multi Fault Light & AC Meters (Spec A), 83  
Ammeter – DC – Sets With Multi Fault Light (Spec A), 79  
Ammeter – DC – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Ammeter – DC – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Ammeter – DC – Sets With Single Fault Light (Begin Spec B), 85  
Ammeter – DC – Sets With Single Fault Light (Spec A), 77  
Arm, Adjusting – With Governor Mounting Plate – Alternator, 55

Baffle, Air – Generator, 75  
Band, Mounting – Air Cleaner (Spec A–F), 12  
Band, Mounting – Air Cleaner (Spec G), 13  
Band, Mounting – Heat Exchanger, 61  
Base, Mounting – Air Cleaner (Spec G), 13  
Bearing, Ball – Generator, 75  
Bell, End – Generator, 75  
Belt, Drive – Alternator, 55  
Belt, Drive – Radiator, 63  
Block, Terminal – Engine Harness, 99  
Block, Terminal – Voltage Regulator (Begin Spec B), 93  
Block, Terminal – Voltage Regulator (Spec A), 92  
Block, Terminal – Voltage Regulator – Switching, 94  
Board, Terminal – Generator, 75  
Box, Control – Sets With Multi Fault Light (Spec A), 79  
Box, Control – Sets With Multi Fault Light & AC Meters (Begin Spec B), 91  
Box, Control – Sets With Multi Fault Light & AC Meters (Spec A), 83  
Box, Control – Sets With Single Fault Light (Begin Spec B), 87  
Box, Control – Sets With Single Fault Light (Spec A), 77  
Brace, Radiator (Spec A–F), 63  
Brace, Radiator (Spec G), 65  
Bracket, Mounting – Air Cleaner, 12  
Bracket, Mounting – Alternator, 55  
Bracket, Mounting – Capacitor, 95  
Bracket, Mounting – Engine (Spec A–F), 57  
Bracket, Mounting – Engine (Spec G), 59  
Bracket, Mounting – Heat Exchanger, 61  
Bracket, Mounting – Heater Tank (Spec A–F), 48  
Bracket, Mounting – Heater Tank (Spec G), 49  
Bracket, Mounting – Overspeed, 75  
Bracket, Mounting – Relay – Sets With Multi Fault Light & AC Meters (Begin Spec B), 91  
Bracket, Mounting – Relay – Sets With Multi Fault Light & AC Meters (Spec A), 83

Bracket, Mounting – Relay – Sets With Single Fault Light (Begin Spec B), 87  
Bracket, Mounting – Solenoid, 57  
Breaker, Circuit (Spec A–F), 70  
Breaker, Circuit – Sets With Multi Fault Light (Spec A), 79  
Breaker, Circuit – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Breaker, Circuit – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Breaker, Circuit – Sets With Single Fault Light (Begin Spec B), 85  
Breaker, Circuit – Sets With Single Fault Light (Spec A), 77  
Bushing, Spacer – Skid (Spec G), 59

Cable, Battery (Spec A–F), 9  
Cable, Battery (Spec G), 11  
Cable, Heater – Control (Spec G), 97  
Cable, Starter, 11  
Cap, Heat Exchanger, 61  
Cap, Radiator (Spec A–F), 63  
Cap, Radiator (Spec G), 65  
Capacitor – Voltage Regulator, 95  
Catch, Door (Spec A–F), 67  
Catch, Door (Spec G), 69  
Cleaner, Air (Spec G), 13  
Cleaner, Air – Preheat (Begin Spec E), 14  
Cleaner, Air – Standard (Spec A–F), 12  
Clip, Door (Spec A–F), 67  
Clip, Door (Spec G), 69  
Cock, Drain – Low Coolant Switch, 47  
Cock, Drain – Radiator (Spec A–F), 63  
Cock, Drain – Radiator (Spec G), 65  
Control Unit, Governor (Spec A–D), 51  
Control Unit, Governor – Sets With Multi Fault Light (Spec A), 79  
Control Unit, Governor – Sets With Multi Fault Light & AC Meters (Begin Spec B), 91  
Control Unit, Governor – Sets With Multi Fault Light & AC Meters (Spec A), 83  
Control Unit, Governor – Sets With Single Fault Light (Begin Spec B), 87  
Control Unit, Governor – Sets With Single Fault Light (Spec A), 77  
Control, Governor (Spec E–F), 52  
Cover, Bell – End, 72  
Cover, Control (Spec A–F), 67  
Cover, Control (Spec G), 69  
Cover, Control – Sets With Multi Fault Light (Spec A), 79  
Cover, Control – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Cover, Control – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Cover, Control – Sets With Single Fault Light (Begin Spec B), 85  
Cover, Control – Sets With Single Fault Light (Spec A), 77  
Cover, Filter – Voltage Regulator, 95  
Cover, Thermostat – Control Heater (Spec A–F), 96  
Cushion, Mounting – Rubber – Skid (Spec G), 59  
Cushion, Mounting – Vibration Isolator – Skid (Spec G), 59

# Index

Dampener, Vibration – Set Control – Sets With Multi Fault Light (Spec A), **79**  
Dampener, Vibration – Set Control – Sets With Multi Fault Light & AC Meters (Begin Spec B), **91**  
Dampener, Vibration – Set Control – Sets With Multi Fault Light & AC Meters (Spec A), **83**  
Dampener, Vibration – Set Control – Sets With Single Fault Light (Begin Spec B), **87**  
Dampener, Vibration – Set Control – Sets With Single Fault Light (Spec A), **77**  
Diode – Skid (Spec A–F), **57**  
Disk, Drive – Generator, **75**  
Door, Engine, **69**  
Door, Housing, **67**  
  
Edging, Fan Guard (Spec A–F), **63**  
Edging, Fan Guard (Spec G), **65**  
Elbow, Rubber – Air Cleaner, **13**  
Element, Air Cleaner (Spec G), **13**  
Element, Air Cleaner – Preheat (Begin Spec E), **14**  
Element, Air Cleaner – Standard (Spec A–F), **12**  
Exchanger, Heat, **61**  
  
Fan, Alternator, **55**  
Fan, Radiator (Spec A–F), **63**  
Fan, Radiator (Spec G), **65**  
Filter, Oil, **9**  
Fuel System, Dual – Gasoline & Propane Liquid With Manual Changeover (Spec A–F), **25**  
Fuel System, Dual – Gasoline & Propane Vapor, Gasoline & Natural Gas With Manual Changeover (Spec A–F), **27**  
Fuel System, Dual – Propane Liquid & Natural Gas With Manual and Automatic Changeover (Spec A–F), **23**  
Fuel System, Dual – Propane Vapor & Natural Gas With Manual and Automatic Changeover (Spec A–F), **21**  
Fuel System, Gasoline (Spec A–F), **17**  
Fuel System, Natural Gas (Spec G), **31**  
Fuel System, Natural Gas/Gasoline With Manual Changeover (Spec G), **29**  
Fuel System, Natural Gas/Propane Liquid With Automatic Changeover (Spec G), **45**  
Fuel System, Natural Gas/Propane Vapor With Automatic Changeover (Spec G), **33**  
Fuel System, Natural Gas/Propane Vapor With Manual Changeover (Spec G), **35**  
Fuel System, Propane Liquid (Spec G), **43**  
Fuel System, Propane Vapor (Spec G), **37**  
Fuel System, Propane Vapor, Natural Gas, Propane Liquid (Spec A–F), **19**  
Fuel System, Propane Vapor/Gasoline With Manual Changeover (Spec G), **39**  
Fuel System, Propane/Gasoline (Spec G), **41**  
  
Gasket, Oil Drain, **9**  
Gauge, Pressure – Oil – Sets With Multi Fault Light (Spec A), **79**  
Gauge, Pressure – Oil – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Gauge, Pressure – Oil – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Gauge, Pressure – Oil – Sets With Single Fault Light (Begin Spec B), **85**  
Gauge, Pressure – Oil – Sets With Single Fault Light (Spec A), **77**  
Gauge, Temperature – Oil – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Gauge, Temperature – Oil – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Gauge, Temperature – Water – Sets With Multi Fault Light (Spec A), **79**  
Gauge, Temperature – Water – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Gauge, Temperature – Water – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Gauge, Temperature – Water – Sets With Single Fault Light (Begin Spec B), **85**  
Gauge, Temperature – Water – Sets With Single Fault Light (Spec A), **77**  
Generator, **75**  
Governor (Spec A–D), **51**  
Governor (Spec E–F), **52**  
Governor (Spec G), **53**  
Grille, Air Outlet, **11**  
Grille, Generator Housing (Spec A–F), **70**  
Grille, Generator Housing (Spec G), **71**  
Grommet – Generator Housing (Spec A–F), **70**  
Grommet – Set Control With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Grommet – Set Control With Multi Fault Light & AC Meters (Spec A), **81**  
Grommet – Set Control With Single Fault Light (Begin Spec B), **85**  
Grommet – Voltage Regulator Filter, **95**  
Guard, Belt – Alternator (Spec A–F), **55**  
Guard, Belt – Alternator (Spec G), **65**  
Guard, Belt – Heat Exchanger, **61**  
Guard, Belt – Radiator (Spec G), **65**  
Guard, Fan – Radiator (Spec A–F), **63**  
Guard, Radiator (Spec A–F), **63**  
  
Harness, Engine to Control, **9**  
Harness, Ignition (Spec A–F), **9**  
Harness, Ignition (Spec G), **11**  
Harness, Wiring – Control – Sets With Multi Fault Light (Spec A), **79**  
Harness, Wiring – Control – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Harness, Wiring – Control – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Harness, Wiring – Control – Sets With Single Fault Light (Begin Spec B), **85**  
Harness, Wiring – Control – Sets With Single Fault Light (Spec A), **77**  
Harness, Wiring – Control to Generator – Sets With Multi Fault Light (Spec A), **79**  
Harness, Wiring – Control to Generator – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Harness, Wiring – Control to Generator – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Harness, Wiring – Control to Generator – Sets With Single Fault Light (Begin Spec B), **85**  
Harness, Wiring – Control to Generator – Sets With Single Fault Light (Spec A), **77**

# Index

Harness, Wiring – Generator (AC), **71**  
Harness, Wiring – Voltage Regulator Filter, **95**  
Heater, Control (Spec A–F), **96**  
Heater, Control (Spec G), **97**  
Heater, Generator, **72**  
Heater, Tank (Spec A–F), **48**  
Heater, Tank (Spec G), **49**  
Holddown, Battery, **57**  
Hose, Breather, **9**  
Hose, Radiator (Spec A–F), **63**  
Hose, Radiator (Spec G), **65**  
Housing (Spec A–F), **67**  
Housing (Spec G), **69**  
Housing, Front – Radiator (Spec G), **65**  
Housing, Generator (Spec A–F), **70**  
Housing, Generator (Spec G), **71**  
  
Inlet, Air Cleaner, **14**  
Insulation, Foam – Housing, **69**  
Insulator, Resistor – Voltage Regulator Filter, **95**  
  
Joint, Ball – Governor (Spec E–F), **52**  
Joint, Ball – Governor (Spec G), **53**  
  
Knob – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Knob – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
  
Lamp, Incandescent – Sets With Multi Fault Light (Spec A), **79**  
Lamp, Incandescent – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Lamp, Incandescent – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Lamp, Incandescent – Sets With Single Fault Light (Spec A), **77**  
Lampholder – Sets With Multi Fault Light & AC Meters (Begin Spec B), **91**  
Lampholder – Sets With Multi Fault Light & AC Meters (Spec A), **83**  
Lampholder – Sets With Single Fault Light (Begin Spec B), **87**  
Latch, Door – Housing (Spec A–F), **67**  
Latch, Door – Housing (Spec G), **69**  
Latch, U-Bolt Type, **67**  
Lead – Generator Housing (Spec G), **71**  
Lead, Solenoid to Starter, **9**  
Lead, Starter, **57**  
Lens with Bezel – Sets With Single Fault Light (Begin Spec B), **87**  
Lever, Governor, **53**  
Light, Indicator – Sets With Multi Fault & AC Meters (Begin Spec B), **89**  
Light, Indicator – Sets With Multi Fault Light (Spec A), **79**  
Light, Indicator – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Light, Indicator – Sets With Single Fault Light (Begin Spec B), **87**  
Light, Indicator – Sets With Single Fault Light (Spec A), **77**  
  
Line, Fuel – Flexible, **11**  
Lug, Terminal – Skid (Spec A–F), **57**  
  
Manifold, Coolant, **11**  
Manifold, Oil Pressure, **99**  
Meter, Frequency – Sets With Multi Fault Light & AC Meters (Begin Spec B), **91**  
Meter, Frequency – Sets With Multi Fault Light & AC Meters (Spec A), **83**  
Meter, Time Totalizing – Sets With Multi Fault Light (Spec A), **79**  
Meter, Time Totalizing – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Meter, Time Totalizing – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Meter, Time Totalizing – Sets With Single Fault Light (Begin Spec B), **87**  
Meter, Time Totalizing – Sets With Single Fault Light (Spec A), **77**  
Monitor, Engine – Sets With Multi Fault Light (Spec A), **79**  
Monitor, Engine – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Monitor, Engine – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Monitor, Engine – Sets With Single Fault Control (Spec A), **77**  
Monitor, Engine – Sets With Single Fault Light (Begin Spec B), **85**  
Mount, Vibration – Engine, **57**  
Mount, Vibration – Generator, **57**  
Muffler, Exhaust, **50**  
  
Panel, Control – Sets With Multi Fault Light (Spec A), **79**  
Panel, Control – Sets With Multi Fault Light & AC Meters (Begin Spec B), **91**  
Panel, Control – Sets With Multi Fault Light & AC Meters (Spec A), **83**  
Panel, Control – Sets With Single Fault Light (Begin Spec B), **87**  
Panel, Control – Sets With Single Fault Light (Spec A), **77**  
Panel, Housing – Front (Spec G), **69**  
Panel, Housing – Front – Radiator (Spec A–F), **63**  
Panel, Housing – Rear (Spec A–F), **67**  
Panel, Housing – Rear (Spec G), **69**  
Panel, Housing – Top (Spec A–F), **67**  
Panel, Housing – Top (Spec G), **69**  
Panel, Housing – Top – Generator Housing (Spec A–F), **70**  
Panel, Housing – Top – Generator Housing (Spec G), **71**  
Panel, Mounting – Voltage Regulator (Begin Spec B), **93**  
Panel, Mounting – Voltage Regulator (Spec A), **92**  
Panel, Mounting – Voltage Regulator – Switching, **94**  
Pencil, Zinc – Heat Exchanger, **61**  
Pickup, Magnetic – Governor (Spec A–D), **51**  
Pickup, Magnetic – Governor (Spec G), **53**  
Pipe, Exhaust, **9**  
Plate, Engine Bracket Cover, **11**  
Plate, Housing – Side (Spec A–F), **70**  
Plate, Housing – Side (Spec G), **71**  
Plate, Mounting – Switch, **47**  
Plenum – Air Cleaner, Preheat (Begin Spec E), **14**

# Index

Point, Contact, 75  
Point, Overspeed, 75  
Pulley, Alternator, 55  
Pulley, Fan, 63

Radiator (Spec A–F), 63  
Radiator (Spec G), 65  
Reactor – Voltage Regulator (Begin Spec B), 93  
Reactor – Voltage Regulator (Spec A), 92  
Reactor – Voltage Regulator – Switching, 94  
Rectifier – Generator, 75  
Rectifier – Low Coolant Level Switch, 47  
Regulator Assembly, Voltage – Standard (Begin Spec B), 93  
Regulator Assembly, Voltage – Standard (Spec A), 92  
Regulator Assembly, Voltage – Switching, 94  
Regulator, Voltage – Alternator, 55  
Regulator, Voltage – Sets With Multi Fault Light (Spec A), 79  
Regulator, Voltage – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Regulator, Voltage – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Regulator, Voltage – Sets With Single Fault Light (Begin Spec B), 85  
Regulator, Voltage – Sets With Single Fault Light (Spec A), 77  
Relay – Sets With Multi Fault Light (Spec A), 79  
Relay – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Relay – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Relay – Sets With Single Fault Light (Begin Spec B), 85  
Relay – Sets With Single Fault Light (Spec A), 77  
Relay, Selection – Voltage, 81  
Relay, Solenoid – Start, 57  
Relay, Start, 85  
Relay, Start Disconnect, 89  
Relay, Voltage Selection, 89  
Retainer, Carburetor, 14  
Rheostat – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Rheostat – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Rod, Governor (Spec E–F), 52  
Rod, Governor (Spec G), 53  
Rotor, Exciter, 75  
Rotor, Generator, 75

Sender, Oil Pressure – Engine (Spec A–F), 9  
Sender, Oil Pressure – Engine Harness (Spec G), 99  
Sender, Temperature – Engine Coolant, 9  
Sender, Water Temperature, 11  
Shield, Heat – Muffler, 50  
Shield, Rain – Muffler, 50  
Shroud, Fan – Radiator (Spec A–F), 63  
Shroud, Fan – Radiator (Spec G), 65  
Skid (Spec A–F), 57  
Skid (Spec G), 59  
Snubber, Rubber, 57

Spacer – Skid (Spec A–F), 57  
Spacer – Skid (Spec G), 59  
Spacer, Alternator, 55  
Spacer, Bracket – Alternator, 55  
Spacer, Fan – Radiator (Spec G), 65  
Spacer, Sleeve – Alternator, 55  
Spacer, Sleeve – Generator, 75  
Spring, Holddown – Relay – Sets With Multi Fault Light (Spec A), 79  
Spring, Holddown – Relay – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Spring, Holddown – Relay – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Spring, Holddown – Relay – Sets With Single Fault Light (Begin Spec B), 85  
Spring, Holddown – Relay – Sets With Single Fault Light (Spec A), 77  
Starter, 9  
Stator, Exciter, 75  
Stator, Generator, 75  
Strap, Ground – Sets With Multi Fault Light (Spec A), 79  
Strap, Ground – Sets With Multi Fault Light & AC Meters (Begin Spec B), 91  
Strap, Ground – Sets With Multi Fault Light & AC Meters (Spec A), 83  
Strap, Ground – Sets With Single Fault Light (Begin Spec B), 87  
Strap, Ground – Sets With Single Fault Light (Spec A), 77  
Strap, Ground – Skid (Spec A–F), 57  
Strip, Asbestos – Muffler, 50  
Strip, Marker – Voltage Regulator (Begin Spec B), 93  
Strip, Marker – Voltage Regulator – Switching, 94  
Support, Engine – Rear – Skid (Spec G), 59  
Switch Blank – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Switch Blank – Sets With Single Fault Light (Begin Spec B), 85  
Switch, Blank – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Switch, Coolant Level, 47  
Switch, Oil Pressure (Pre–Alarm), 9  
Switch, Oil Pressure (Shutdown), 9  
Switch, Overspeed, 75  
Switch, Pressure – LOP, 99  
Switch, Pressure – Pre LOP, 99  
Switch, Push – Sets With Multi Fault (Spec A), 79  
Switch, Push – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Switch, Push – Sets With Multi Fault Light & AC Meters (Spec A), 81  
Switch, Push – Sets With Single Fault Light (Begin Spec B), 85, 87  
Switch, Push – Sets With Single Fault Light (Spec A), 77  
Switch, Selector – Sets With Multi Fault & AC Meters (Spec A), 81  
Switch, Selector – Sets With Multi Fault Light & AC Meters (Begin Spec B), 89  
Switch, Thermostatic – Low Engine Temperature, 11  
Switch, Thermostatic – Low Engine Temperature (Spec A–F), 9  
Switch, Thermostatic – Pre–Alarm, 9

# Index

Switch, Thermostatic – Pre-Alarm (Spec G), **11**  
Switch, Thermostatic Shutdown, **9**  
Switch, Vacuum, **46**

Tachometer – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Tachometer – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Terminal, Ground – Sets With Multi Fault Light (Spec A), **79**  
Terminal, Ground – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Terminal, Ground – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Terminal, Ground – Sets With Single Fault Light (Begin Spec B), **85**  
Terminal, Ground – Sets With Single Fault Light (Spec A), **77**  
Terminal, Lug – Voltage Regulator Filter, **95**  
Thermostat, Adjustable – Control Heater (Spec A–F), **96**  
Thermostat, Engine Mounted, **11**  
Transformer – Voltage Regulator (Begin Spec B), **93**  
Transformer – Voltage Regulator (Spec A), **92**

Transformer – Voltage Regulator – Switching, **94**  
Transformer, Current – Sets With Multi Fault Light & AC Meters (Begin Spec B), **89**  
Transformer, Current – Sets With Multi Fault Light & AC Meters (Spec A), **81**  
Tube, Exhaust – Flexible, **50**  
Tube, Inlet – Radiator (Spec G), **65**  
Tube, Intake – Air, **13**

Valve, Cock, **9**  
Valve, Globe – Heat Exchanger, **61**  
Valve, Saver – Water – Heat Exchanger, **61**  
Valve, Shut-Off – Oil Drain, **11**  
Valve, Solenoid – Heat Exchanger, **61**  
Voltmeter, AC – Sets With Multi Fault Light & AC Meters (Begin Spec B), **91**  
Voltmeter, AC – Sets With Multi Fault Light & AC Meters (Spec A), **83**

Wrapper, Generator Housing (Spec A–F), **70**  
Wrapper, Generator Housing (Spec G), **71**

## Abbreviations

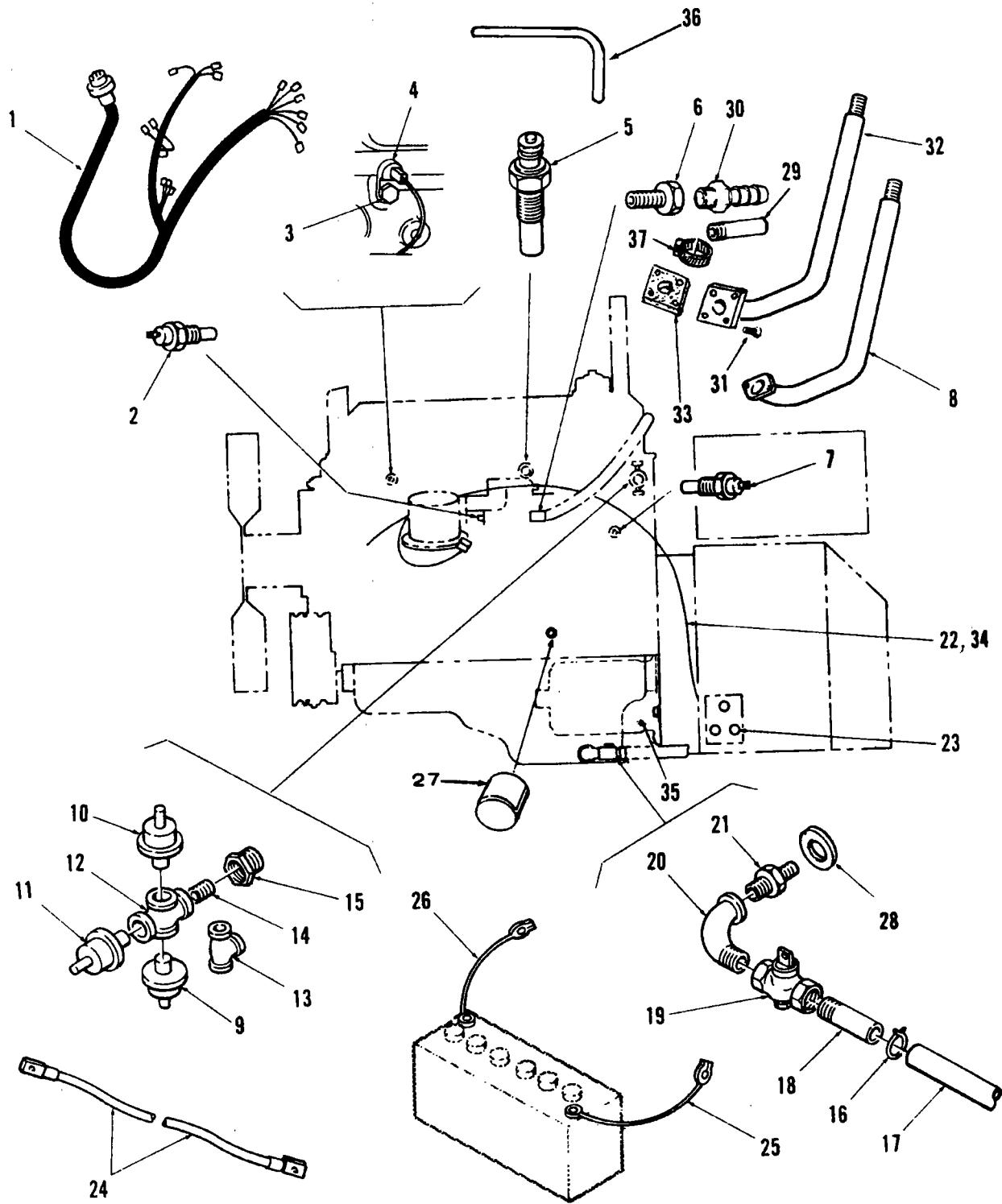
Some of the following abbreviations may be used throughout this Parts Catalog;

Alternating Current	AC	Millimeter	mm
Ampere	Amp	Not For Sale	NFS
As Required	A/R	National Pipe Thread	NPT
Automatic Voltage Regulator	AVR	Outside Diameter	OD
American Wire Gauge	AWG	Ounce	oz.
Degree	Deg	Permanent Magnet Generator	PMG
Direct Current	DC	Phase	Ph
External Tooth	ET	Printed Circuit	PC
External/Internal Tooth	EIT	Radio Frequency Interference	RFI
Ground Fault Interrupter	GFI	Right	RT
Inside Diameter	ID	Specification	Spec
Internal Tooth	IT	Thick	Thk
International Electrotechnical Commission	IEC	Underwriters Laboratories Inc.	UL
Kilowatt	kW	Union National Coarse	UNC
Liquid Petroleum Gas	LPG	Union National Fine	UNF
Left	LT	Volts Alternating Current	VAC
Meter	M(meter Number)	Volts Direct Current	VDC
		With	W/(ET, IT, EIT)

## Paint and Thread Sealant

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Onan Green Enamel (Non-Metallic)		518-0601		Sealant, Thread (6 ml Tube)
525-0305	-		12 oz. Pressurized Spray Can				
525-0306	-		Quart Can				
525-0304	-		Gallon Can				

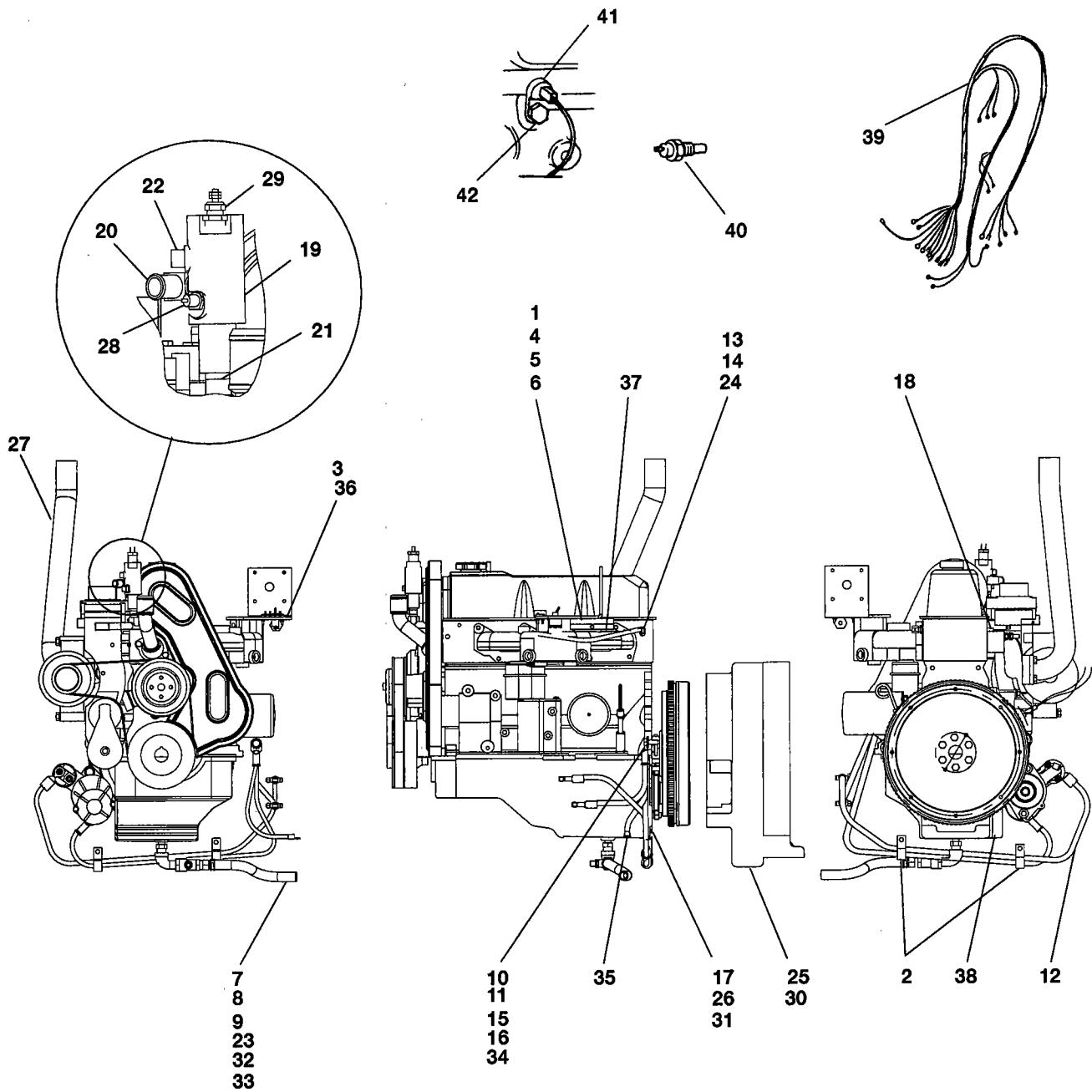
**Miscellaneous Engine Parts  
(Spec A-F)**



**Miscellaneous Engine Parts**  
**(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – Engine to Control	19	504-0011	1	Valve, Cock (1/2 NPT)
	338-1455	1	Spec A, B	20	502-0133	1	Elbow, Pipe – Street 90 Deg. (1/2 NPT)
	338-2677	1	Spec C	21	102-1054	1	Adapter, Pipe – Hex (1/2 NPT x M14)
	338-2782	1	Spec D	22	166-0728	1	Harness, Wiring – Ignition
	338-2797	1	Spec E, F	23	821-0010	3	Screw, Self Locking – Hex Washer Head (1/4-20 x 1/2)
2	309-0179	1	Switch, Thermostatic – Pre-Alarm (S5)	24			Lead, Solenoid to Starter
3	800-0261	1	Screw, Cap – Hex Head (M8 x 1-1/4 x 40mm)		336-3124	1	Spec A – E
4	309-0269	1	Switch, Thermostatic – Low Engine Temperature (S4)		226-3462-02	1	Spec F
5	193-0318	1	Sender, Temperature – Engine Coolant (E2)	25	416-0643	1	Cable, Battery – Positive
6	502-0799	1	Bushing, Hex W/Restrictor (3/8 NPT x 3/8 NPT)	26	416-0613	1	Cable, Battery – Negative
7	309-0437	1	Switch, Thermostatic – Shutdown (S1)	27	122-0193	1	Filter, Oil
8	155-1900	1	Pipe, Exhaust – Used through May 1984	28	102-1461	1	Gasket, Oil Drain
9	309-0641-17	1	Switch, Pressure – Oil (Shutdown) (S6)	29	505-0135	1	Nipple, Pipe – Half (3/8 NPT x 1-1/2) – Used through February 1983
10	309-0641-18	1	Switch, Pressure – Oil (Pre-Alarm) (S2)	30	502-0861	1	Adapter, Pipe to Hose – Used Beginning March 1983
11	193-0244	1	Sender, Pressure – Oil (E1)	31	800-2086	4	Screw, Cap – Hex Head (M10 x 25mm) – Used Beginning June 1984
12	505-0763	1	Cross, Pipe (1/8 NPT)	32	155-2076	1	Pipe, Exhaust – Used Beginning June 1984
13	505-0059	1	Tee, Pipe (1/8 NPT)	33	155-2073	1	Gasket – Used Beginning June 1984
14	505-0098	1	Nipple, Pipe – Short (1/8 NPT x 3/4)	34	332-2634	1	Clamp, J – Harness Holdown Starter (12 VDC)
15	505-0007	1	Bushing, Reducer – Hex (1/4 NPT x 1/8 NPT)	35			Spec A – E
					191-1370	1	Spec F
					191-2115	1	
16	503-0197	1	Clamp, Hose	36	503-0276	1	Hose, Breather (Spec C, D, E)
17	503-0509	1	Hose, Rubber	37	503-0685	2	Clamp, Hose – Begin Spec F
18	505-0106	1	Nipple, Pipe – Half (1/2 NPT x 1-1/2)				

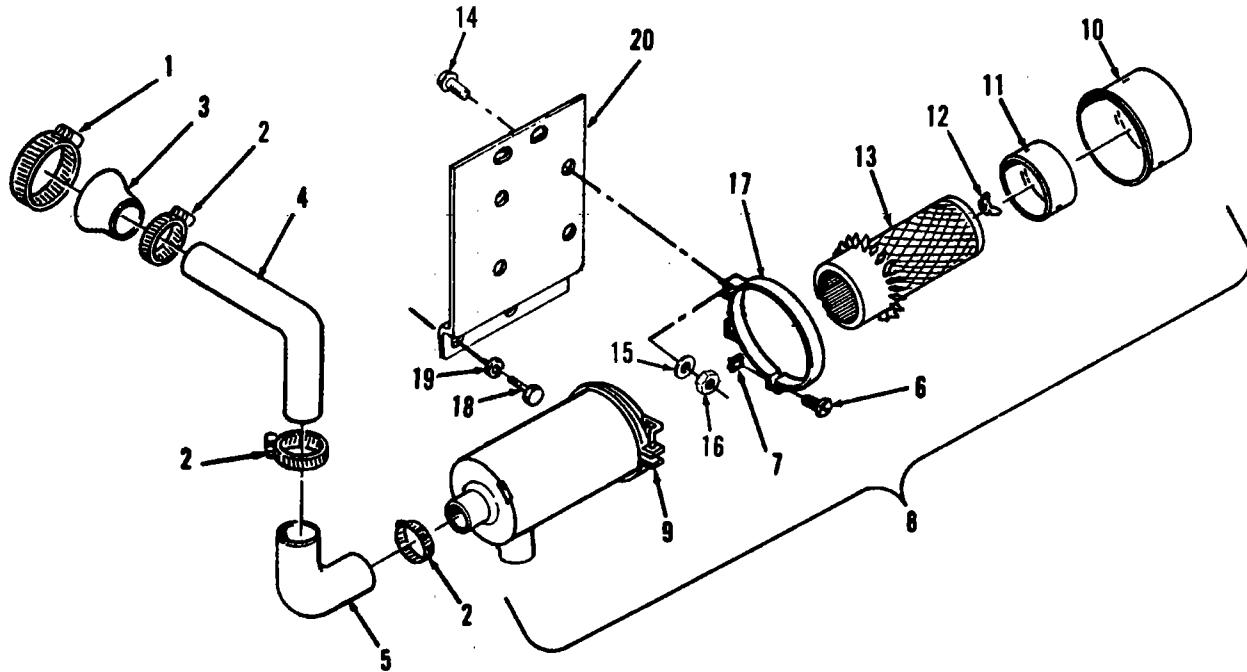
**Miscellaneous Engine Parts  
(Spec G)**



**Miscellaneous Engine Parts  
(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	850-2008	3	Washer, Lock (M8)	23	503-0197	1	Clamp, Hose
2	332-2634	2	Clamp, J	24	501-0004	1	Line, Fuel – Flexible
3	812-0067	2	Screw, Machine – Round Head (6-32 x .88)	25	231-0252	1	Adapter, Generator
4	800-3036	1	Screw, Cap – Hex Head (M8 x 80)	26	800-2091	1	Screw, Cap – Hex Head (M10 x 50)
5	526-2100	2	Washer, Flat (M8)	27	155-2984	1	Tube, Exhaust
6	860-2008	2	Nut, Hex Head (M8 x 1.25)	28	309-0437	1	Thermostat
7	102-1054-01	1	Adapter, Drain – Oil	29	193-0318	1	Sender, Water Temperature
8	505-0050	1	Elbow, Street (1/2 x 90°)	30	234-0665	1	Grille, Air Outlet
9	504-0011	1	Valve, Shut-Off (1/2 x 1/2)	31	803-0032	2	Screw, Set – Socket Head (1/4-20 x 1/4)
10	416-1016	1	Cable, Starter	32	505-0185	1	Nipple, Half (1/2 x 1-1/2)
11	416-0530	1	Cable, Battery – Negative	33	503-0808	1	Hose
12	416-0618	1	Cable, Battery – Positive	34	800-2093	1	Screw, Cap – Hex Head (M10 x 6)
13	502-0029	1	Bushing, Pipe (Brass)	35	336-0476	1	Strap, Ground
14	502-0065	1	Elbow, Male – Inverted (45°)	36	870-0183	2	Nut, Hex – W/ET (6-32)
15	800-2086	5	Screw, Cap – Hex Head (M10 x 25)	37	505-0054	1	Plug, Pipe (1/4)
16	856-0010	2	Washer, Lock – ET (M10)	38	101-0819	1	Plate, Engine Bracket Cover
17	800-2089	2	Screw, Cap – Hex Head (M10 x 40)	39	166-0844	1	Harness, Ignition
18	526-0174	12	Washer, Flat (3/8")	40	309-0179	1	Switch, Thermostatic – Pre-Alarm
19	154-2987	1	Manifold, Coolant	41	309-0269	1	Switch, Thermostatic – Low Engine Temperature
20	502-0943	1	Connector, Hose	42	800-2057	1	Screw, Cap – Hex Head (M8 x 20)
21	505-0101	1	Nipple, Close (3/8 x 1-1/4)				
22	502-0155	1	Plug, Pipe – Square Head (3/8)				

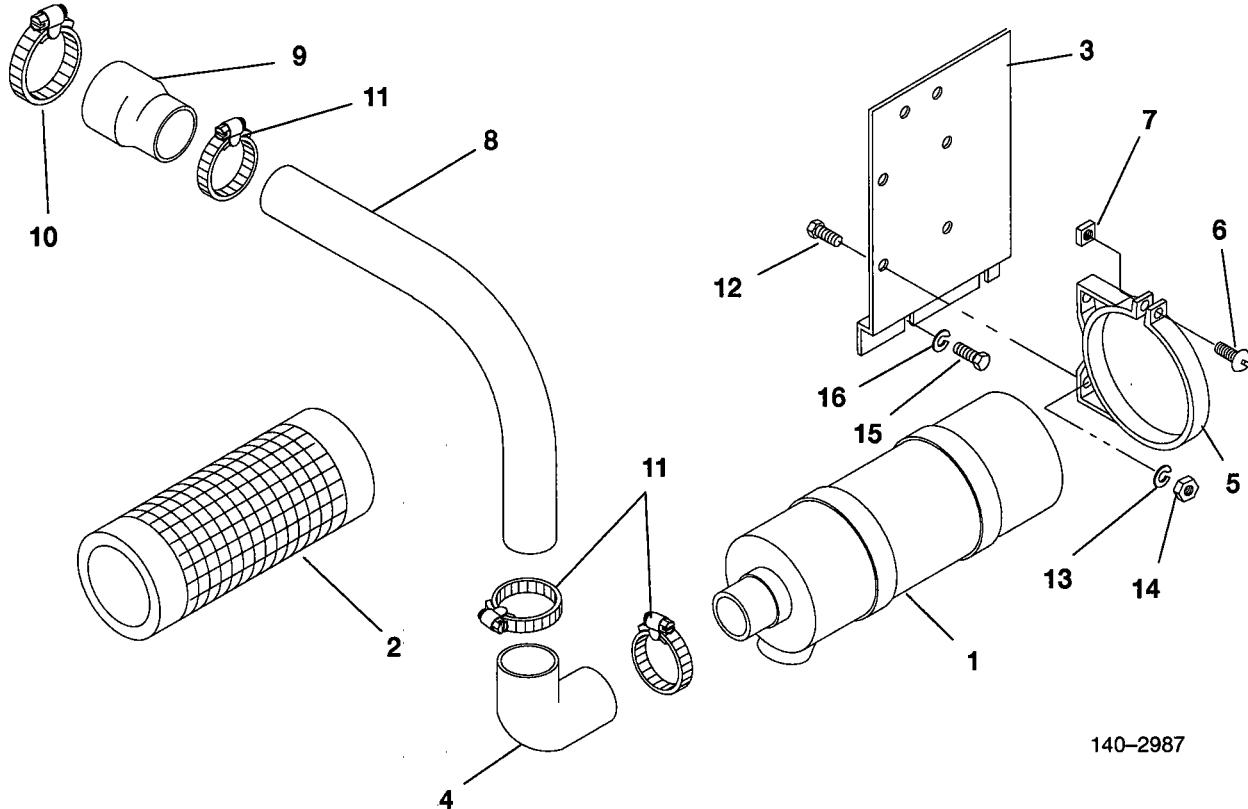
**Air Cleaner  
Standard  
(Spec A-F)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0465	1	Clamp, Hose	12	140-1436	1	*Nut, Wing
2	503-0365	3	Clamp, Hose	13	140-0765	1	*Element
3	503-1074	1	Reducer, Hose	14	800-0026	4	Screw, Cap – Hex Head (5/16-18 x 3/4)
4			Tube, Air	15	850-0046	4	Washer, Lock – Spring (5/16)
	140-1758	1	Spec A-F	16	862-0015	4	Nut, Hex (5/16-18)
	140-2985	1	Spec G	17	140-0722	2	Band, Mounting
5	503-0419	1	Elbow, Hose – Preformed	18	800-2085	2	Screw, Cap – Hex Head (M10 x 1-1/2 x 20mm)
6	812-0153	2	Screw, Machine – Round Head (1/4-20 x 1)	19	850-2010	2	Washer, Lock – Spring (M10)
7	861-0011	2	Nut, Square (1/4-20)	20	140-1756	1	Bracket, Mounting – Air Cleaner
8	140-0721	1	Cleaner Assembly, Air (Includes Parts Marked *)				
9	140-1437	1	*Clamp				
10	140-1438	1	*Cup				
11	140-1439	1	*Baffle				

\* – Parts Included in 140-0721 Air Cleaner Assembly

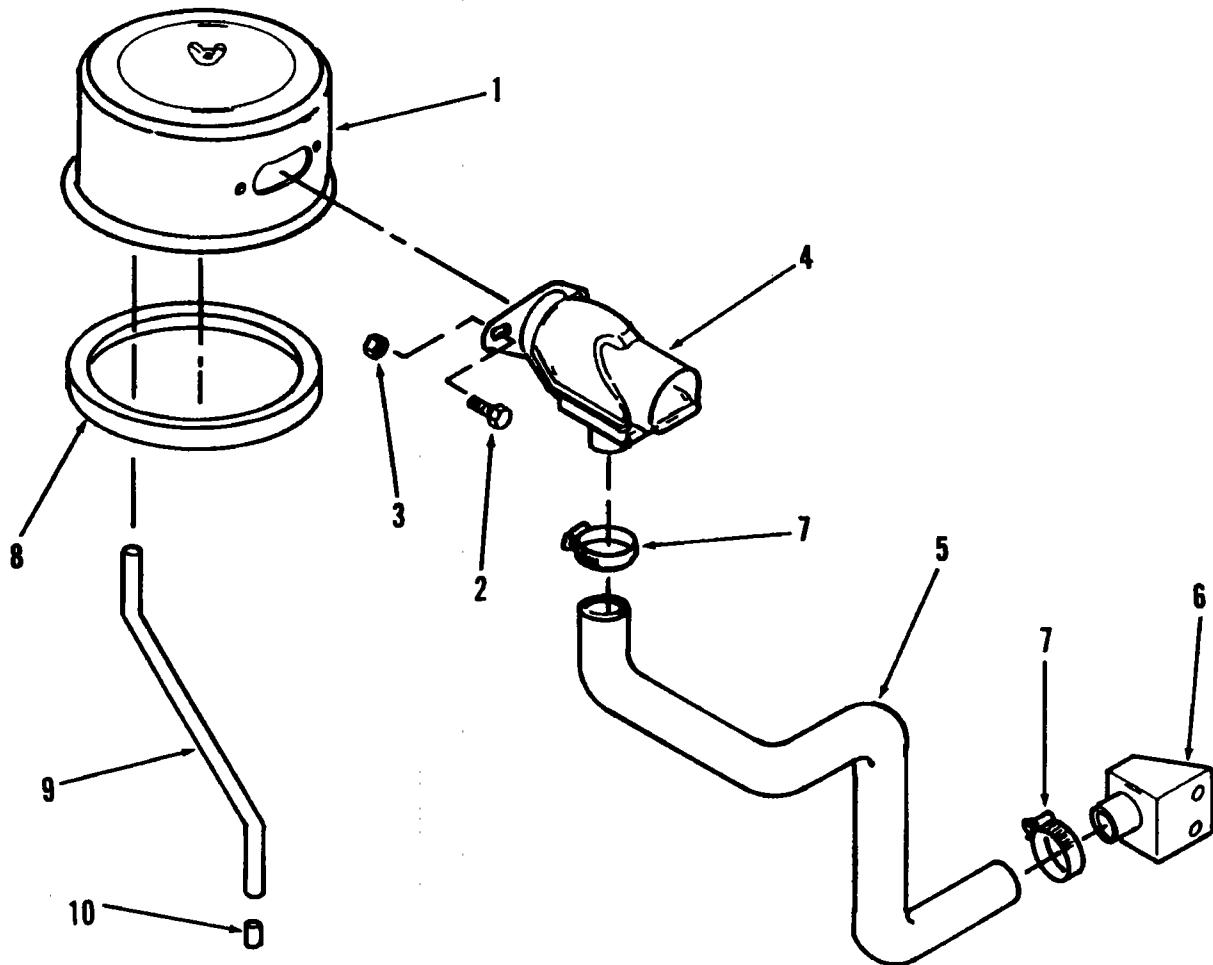
**Air Cleaner  
(Spec G)**



140-2987

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-0721	1	Cleaner, Air (Includes Element)	10	503-0465	1	Clamp, Hose (2-1/4)
2	140-0765	1	Element, Air Cleaner	11	503-0365	3	Clamp, Hose (2)
3	140-1756	1	Base, Mounting – Air Cleaner	12	800-0026	4	Screw, Cap – Hex Head (5/16-18 x 3/4)
4	503-0419	1	Elbow, Rubber	13	850-0046	4	Washer, Lock (5/16)
5	140-0722	2	Band (Includes Screws and Nuts)	14	862-0015	4	Nut, Hex (5/16-18)
6	812-0153	2	Screw, Machine – Round Head (1/4-20 x 1)	15	800-2085	2	Screw, Cap – Hex Head (M10 x 1-1/2 x 20)
7	861-0011	2	Nut, Square (1/4-20)	16	850-2010	2	Washer, Lock (M10)
8	140-2985	1	Tube, Intake – Air				
9	503-1074	1	Hose, Reducer				

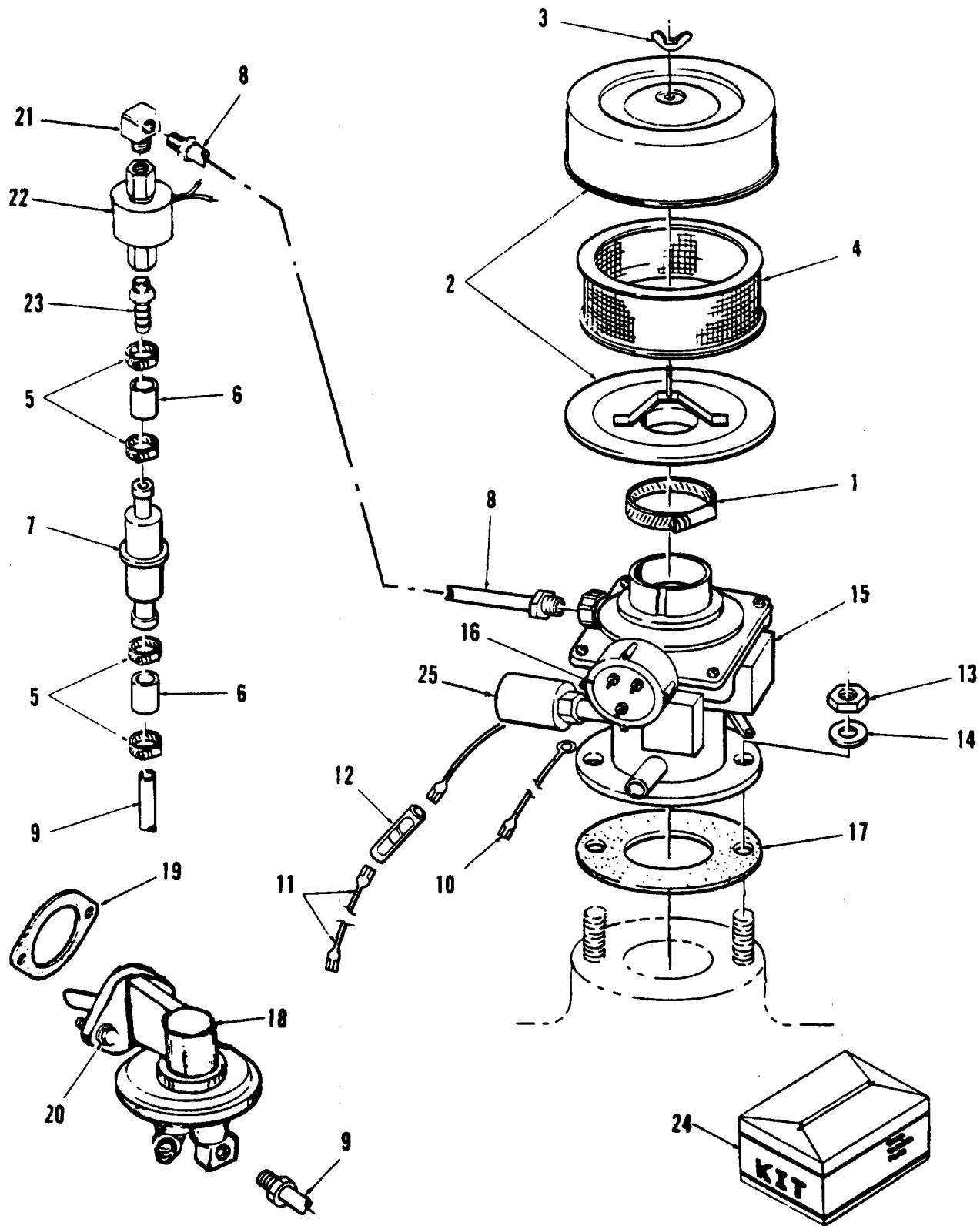
**Preheat Air Cleaner  
(Begin Spec E)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-1584	1	Air Cleaner	5	503-1908	1	Hose, Air Cleaner
	140-1089	1	Element	6	133-0219	1	Plenum
2	821-0008	2	Screw, Locking - Hex Head (1/4-20)	7	503-1870-03	2	Clamp, Hose
3	870-0212	2	Nut, Locking - Hex (1/4-20)	8	140-1401	1	Retainer, Carburetor
4	140-2829	1	Inlet, Air Cleaner	9	503-0801	1	Hose
				10	503-0498	1	Hose



**Fuel System  
(Gasoline)  
(Spec A-F)**

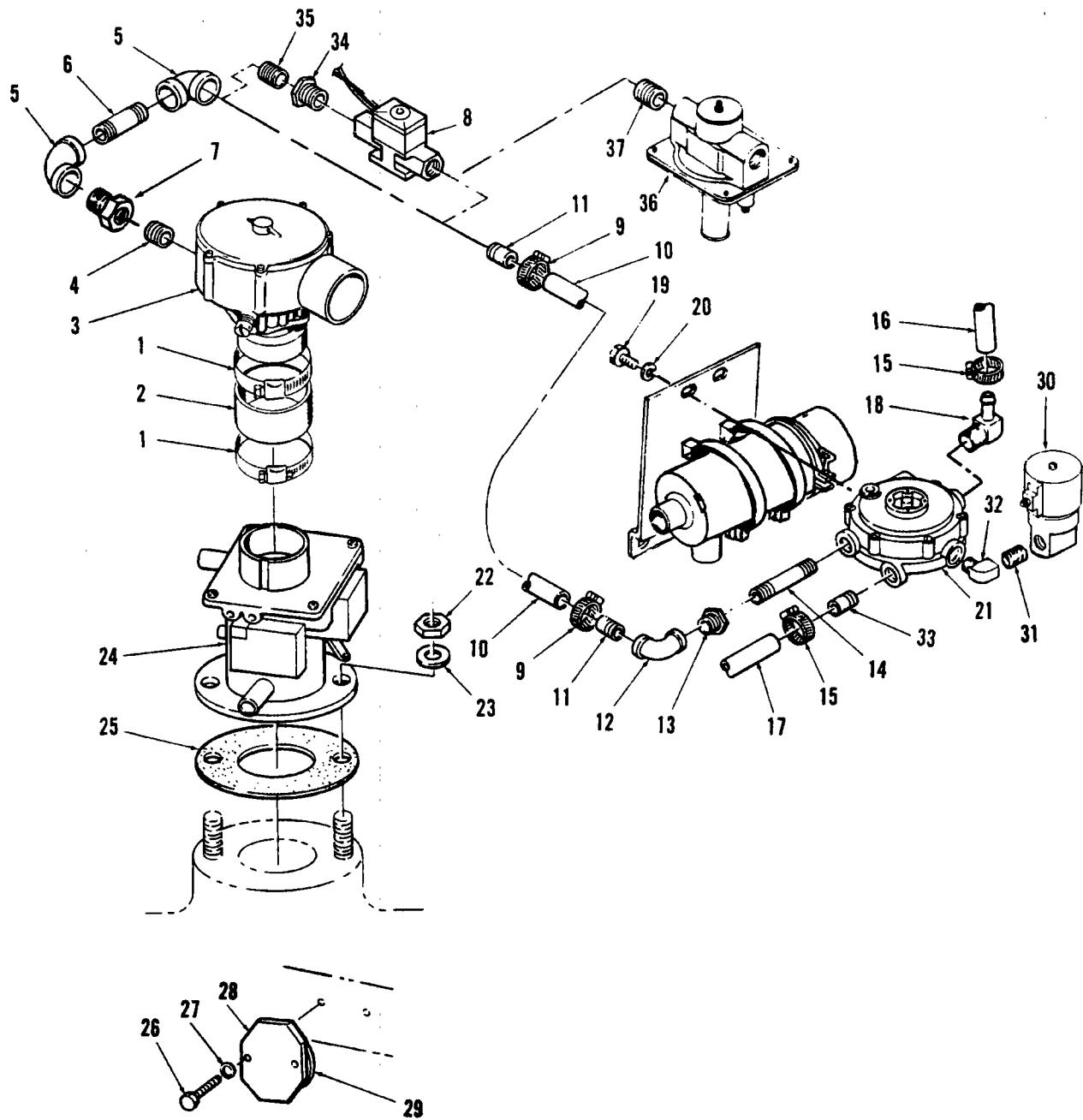


**Fuel System  
(Gasoline)  
(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0465	1	Clamp, Hose	16	141-0911	1	Cover, Choke with Heater and Spring
2	140-1083	1	Cleaner, Air (Includes Parts Marked *)	17	141-0959	1	Gasket, Mounting - Carburetor
3	865-0020	1	*Nut, Wing (1/4-20)	18	149-1810	1	Pump, Fuel
4	140-1089	1	*Element, Air Cleaner	19		1	Gasket, Fuel Pump (Supplied by Ford)
5	503-0685	4	Clamp, Hose	20	800-2058	2	Screw, Cap - Hex Head (M8 x 1-1/4 x 25MM)
6	503-0883	2	Hose, Rubber	21	502-0004	1	Elbow, Pipe - 90 deg., Brass (1/8 NPT x 1/2-20)
7	149-1774	1	Filter, Fuel	22	307-1279	1	Valve, Solenoid - 12 VDC (1/8 NPT x 1/8 NPT)
8	149-1869	1	Line, Fuel - Solenoid to Carburetor	23	502-0395	1	Adapter, Pipe to Hose
9	149-1776	1	Line, Fuel - Pump to Filter	24	141-0944	1	Kit, Repair - Carburetor
10	336-7062	1	Lead, Electrical - Choke	25	141-0951	1	Solenoid
11	336-8228	1	Lead, Electrical - Solenoid				
12	332-0819	1	Splice, Electrical				
13	860-2008	2	Nut, Hex (M8 x 1-1/4)				
14	526-2100	2	Washer, Flat (M8)				
15	141-0953	1	Carburetor, Gasoline				

\* - Parts included with 140-1083 Air Cleaner.

**Fuel System**  
**Propane Vapor, Natural Gas, Propane Liquid**  
**(Spec A-F)**



**Fuel System**  
**Propane Vapor, Natural Gas, Propane Liquid**  
**(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0465	2	*#+Clamp, Hose	21	148-0737	1	+Regulator, Converter – LPG
2	503-0542	1	*#Hose, Rubber	22	860-2008	2	*#+Nut, Hex (M8)
3	148-0691	1	*#+Mixer, Vapor – Gas (1/2")	23	526-2100	2	*#+Washer, Flat (M8)
4			Nipple, Pipe – Close	24	141-0915	1	*#+Carburetor, Vapor – Gas (Includes Mounting Gasket)
	505-0100	1	*# 1-1/8 – LPG Vapor and Natural Gas Fuel Systems	25	141-0959	1	*#+Gasket, Mounting – Carburetor
	505-0106	1	+ 1-1/2 – LPG Liquid Fuel Systems	26	800-2058	2	*#+Screw, Cap – Hex Head (M8 x 25MM)
5			Elbow, Pipe – 90 deg.	27	526-0122	2	*#+Washer, Flat (11/32" ID x 23/32" OD x 1/8" Thick)
	505-0040	2	*# LPG Vapor and Natural Gas Fuel Systems (1/2 NPT)	28	149-1832	1	*#+Plate, Cover – Pump Mounting Hole
			+ LPG Liquid Fuel Systems 1/2 NPT – Begin 1981 through Spec D	29		1	*#+Gasket, Mounting – Fuel Pump (Supplied by Ford)
6	505-0132	2	3/4 NPT – Begin Spec E	30	307-0268	1	+>Valve, Solenoid – 12 VDC (1/4") (E4)
			Nipple, Pipe	31	502-0047	1	+>Nipple, Pipe – Close – Brass (1/4" x 7/8")
	505-0078	1	*# LPG Vapor and Natural Gas Fuel Systems – 1/2 NPT x 2-1/2	32	502-0054	1	+>Elbow, Pipe – 90 deg. – Brass (1/4 NPT)
			+ LPG Liquid Fuel Systems 1/2 NPT x 2 – Begin 1981 through Spec D	33	502-0943	2	+Connector, Hose
	505-0210	1		34			Bushing, Reducer – Hex
	505-0085	1	3/4 NPT x 2 – Begin Spec E	505-0021		1	*# LPG Vapor and Natural Gas Fuel Systems
7	505-0021	1	+Bushing, Reducer – Hex (3/4 to 1/2) LPG Liquid Fuel Systems – Begin Spec E	505-0021		1	+ LPG Liquid Fuel Systems Begin 1981 through Spec D
8	307-0312	1	*#+Valve, Solenoid 12 Volt (K7) LPG Vapor and Natural Gas Fuel Systems – LPG Liquid Fuel Systems Begin 1981 through Spec D	35	505-0100	1	*#1-1/8 NPT LPG Vapor and Natural Gas Fuel Systems
9	503-0398	2	+Clamp, Hose	505-0106		1	+1-1/2 NPT LPG Liquid Fuel Systems – Begin 1981 through Spec D
10	503-1076	1	+Hose, Rubber				Regulator, Pressure
11	505-0324	2	+Nipple, Pipe – Half (3/4 NPT x 2)	36	148-0597	1	* Natural Gas Fuel Systems
12	505-0132	1	+Elbow, Pipe – 90 deg. (3/4 NPT)	148-0637		1	# LPG Vapor Fuel Systems
13	505-0021	1	+Bushing, Reducer – Hex (3/4 NPT x 1/2 NPT)	37	505-0002	1	Nipple, Pipe
14			+Nipple, Pipe	505-0102		1	* 1/2 NPT x 3" – Natural Gas Fuel Systems
	505-0080	1	1/2 x 5" (Used 1981 and 1982)				# 3/4 NPT x 1-3/8" – LPG Vapor Fuel Systems
	505-0078	1	1/2 x 2-1/2 (Begin 1983)				
15	503-0183	4	+Clamp, Hose				
16	503-0146	1	+Hose, Rubber (5/8 ID x 32")				
17	503-0352	1	+Hose, Rubber (5/8 ID x 20")				
18	502-0587	1	+Adapter, Pipe to Hose – 90 deg. – Brass				
19	800-0004	2	+Screw, Cap – Hex Head (1/4-20 x 5/8)				
20	850-0040	2	+Washer, Lock – Spring (1/4)				

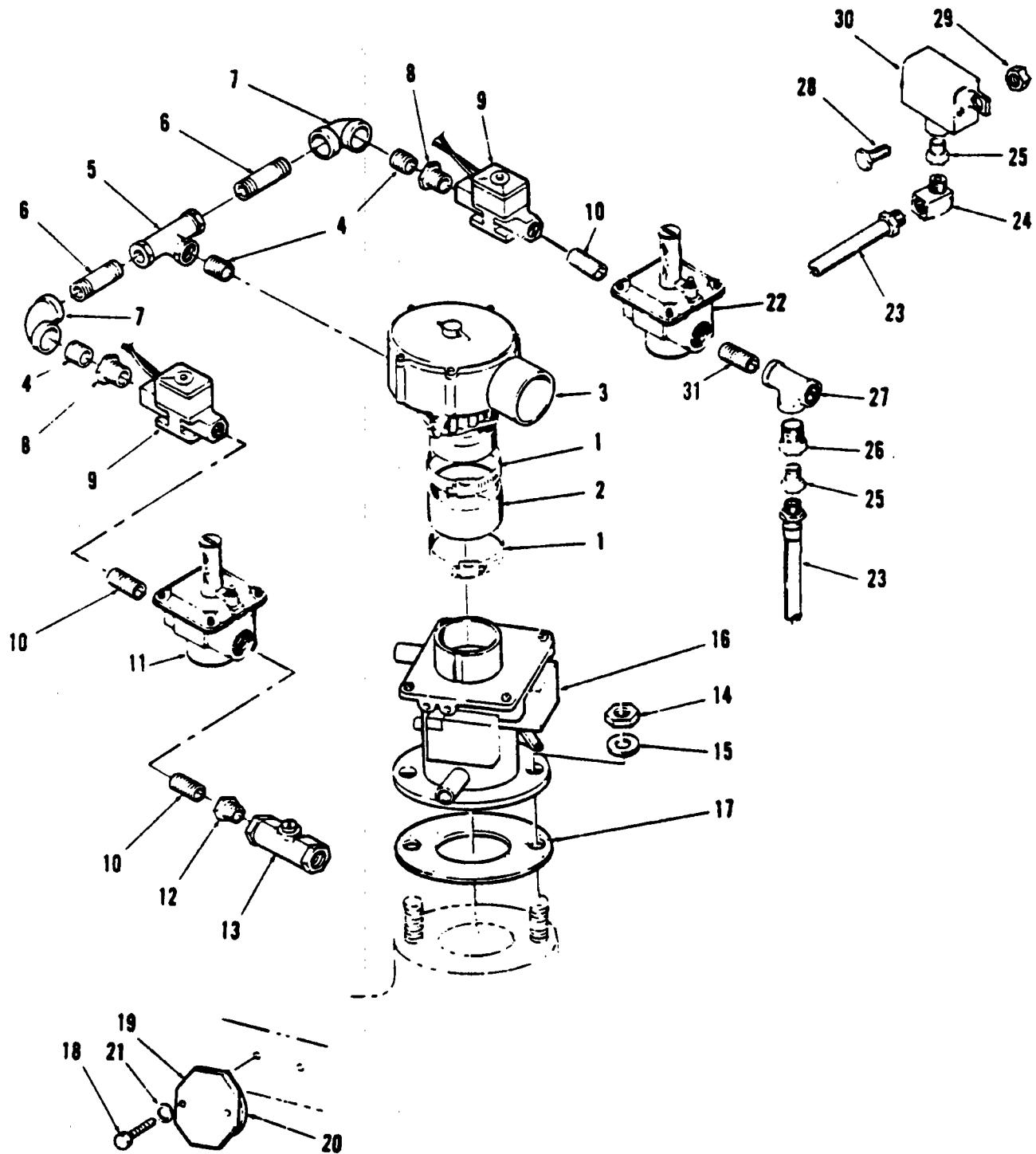
\* – Parts used on Natural Gas Fuel Systems.

# – Parts used on LPG Vapor Fuel Systems.

+ – Parts used on LPG Liquid Fuel Systems.

> – Use began in 1983 Production of LPG Liquid Fuel Systems.

**Dual Fuel System  
Propane Vapor & Natural Gas  
With Manual and Automatic Changeover  
(Spec A-F)**

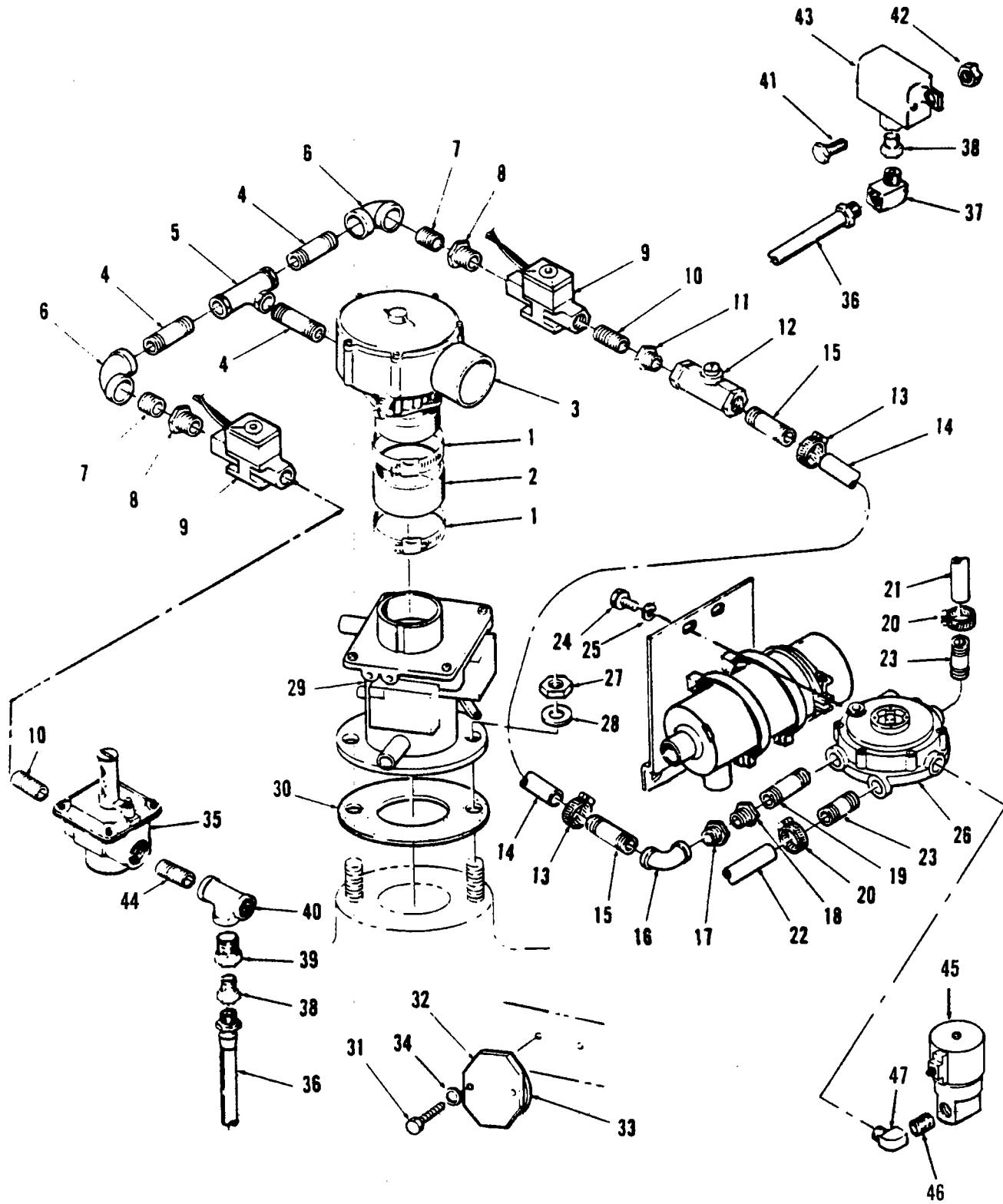


**Dual Fuel System**  
**Propane Vapor & Natural Gas**  
**With Manual and Automatic Changeover**  
**(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0465	2	Clamp, Hose	19	149-1832	1	Plate, Cover – Pump Mounting Hole
2	503-0542	1	Hose, Rubber	20		1	Gasket, Mounting – Fuel Pump (Supplied by Ford)
3	148-0691	1	Mixer, Vapor – Gas (1/2 NPT)	21	526-0122	2	Washer, Flat (11/32 ID x 23/32 OD x 1/8 THK)
4	505-0106	3	Nipple, Pipe – Close (1/2 NPT x 1-1/2)	22	148-0597	1	Regulator, Pressure – Gas Vapor (3/4 NPT)
5	505-0108	1	Tee, Pipe (1/2 NPT)	23	501-0005	1	*Line, Fuel (1/8 NPT Male x 7/16-20 Male x 18-1/2 Long)
6	505-0210	2	Nipple, Pipe (1/2 NPT x 2)	24	502-0002	1	*Elbow, Pipe – 90 deg. (1/8 NPT Male x 7/16-20 Female)
7	505-0040	2	Elbow, Pipe – 90 deg. (1/2 NPT)	25	505-0007	2	*Bushing, Reducer – Hex (1/4 NPT x 1/8 NPT)
8	505-0021	2	Bushing, Reducer – Hex (3/4 NPT x 1/2 NPT)	26	505-0020	1	*Bushing, Reducer – Hex (3/4 NPT x 1/4 NPT)
9	307-0312	2	Valve, Solenoid – 12 VDC (3/4 NPT) (K6, K7)	27	505-0166	1	*Tee, Pipe (3/4 NPT)
10	505-0102	3	Nipple, Pipe – Close (3/4 NPT x 1-3/8)	28	821-0018	2	*Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8)
11	148-0637	1	Regulator, Pressure – Gas Vapor (3/4 NPT)	29	870-0212	2	*Nut, Self-Locking – Hex Washer Head (1/4-20)
12	505-0129	1	Bushing, Reducer – Hex (1 NPT x 3/4 NPT)	30	148-0627	1	*Switch, Pressure 12 VDC (S9)
13	148-0626	1	Valve, Control – Manual (3/4 NPT)	31	505-0102	1	*Nipple, Close (3/4 x 1-3/8)
14	860-2008	2	Nut, Hex (M8 x 1-1/4)				
15	526-2100	2	Washer, Flat (M8)				
16	141-0915	1	Carburetor, Vapor – Gas (Includes Mounting Gasket)				
17	141-0959	1	Gasket, Mounting – Carburetor				
18	800-2058	2	Screw, Cap – Hex Head (M8 x 1-1/4 x 25MM)				

\* – These additional parts are used on models with automatic changeover.

**Dual Fuel System**  
**Propane Liquid & Natural Gas**  
**With Manual and Automatic Changeover**  
**(Spec A-F)**



**Dual Fuel System**  
**Propane Liquid & Natural Gas**  
**With Manual and Automatic Changeover**  
**(Spec A-F)**

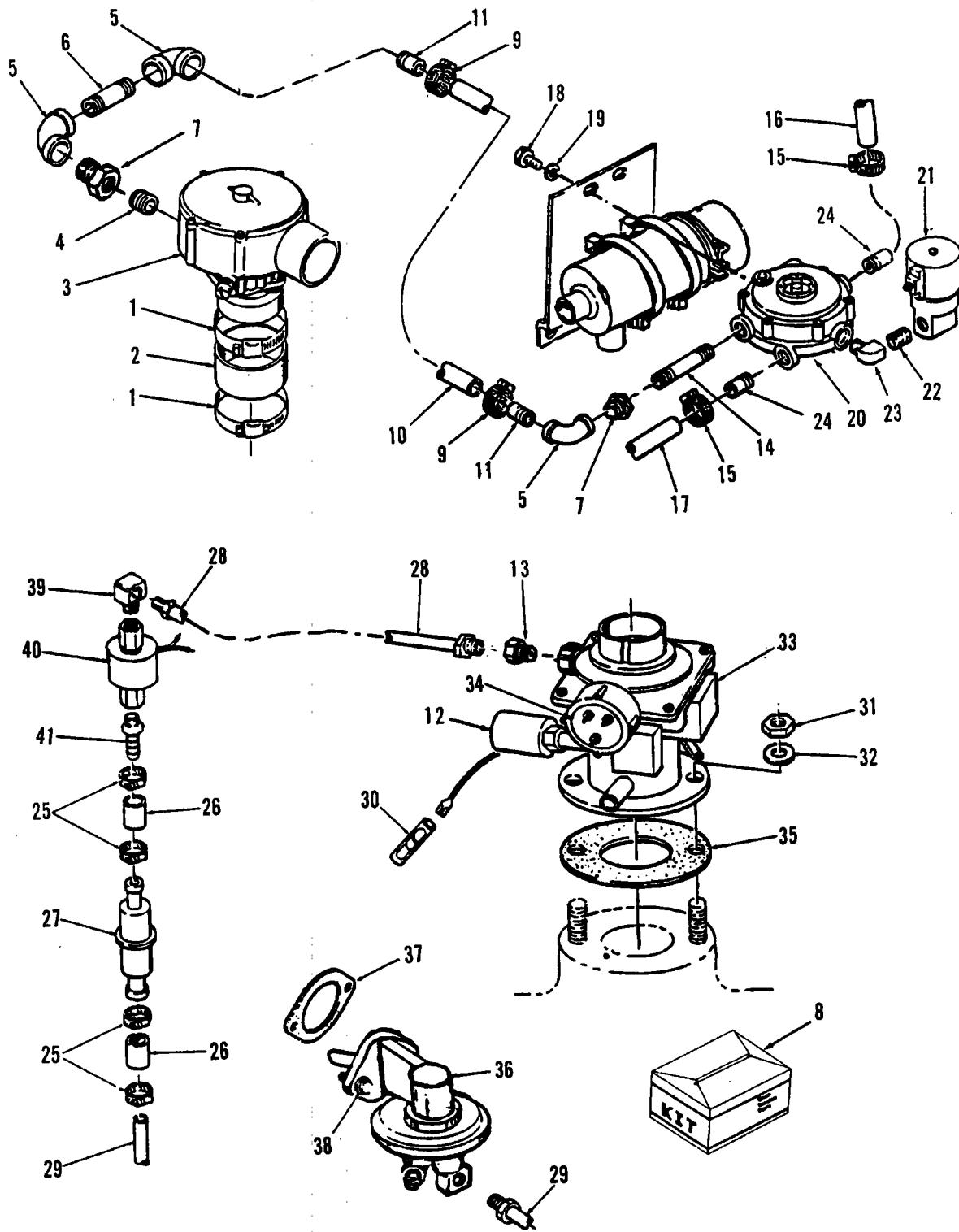
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0465	2	Clamp, Hose	30	141-0959	1	Gasket, Mounting – Carburetor
2	503-0542	1	Hose, Rubber	31	800-2058	2	Screw, Cap – Hex Head (M8 x 25MM)
3	148-0691	1	Mixer, Vapor – Gas (1/2 NPT)	32	149-1832	1	Plate, Cover – Pump Mounting Hole
4	505-0210	3	Nipple, Pipe (1/2 NPT x 2)	33		1	Gasket, Mounting – Fuel Pump (Supplied by Ford)
5	505-0108	1	Tee, Pipe (1/2 NPT)	34	526-0122	2	Washer, Flat (11/32 ID x 23/32 OD x 1/8 THK)
6	505-0040	2	Elbow, Pipe – 90 deg. (1/2 NPT)	35	148-0597	1	Regulator, Pressure – Gas Vapor (3/4 NPT)
7	505-0106	2	*Nipple, Pipe (1/2 NPT x 1-1/2)	36	501-0005	1	#Line, Fuel (1/8 NPT Male x 7/16-20 Male x 18-1/2)
8	505-0021	2	*Bushing, Reducer – Hex (3/4 NPT x 1/2 NPT)	37	502-0002	1	#Elbow, Pipe – 90 deg. (1/8 NPT Male x 7/16-20 Female)
9	307-0312	2	*Valve, Solenoid 12 VDC (3/4 NPT) (K6, K7)	38	505-0007	2	#Bushing, Reducer – Hex (1/4 NPT x 1/8 NPT)
10	505-0102	2	Nipple, Pipe – Close (3/4 NPT x 1-3/8)	39	505-0020	1	#Bushing, Reducer – Hex (3/4 NPT x 1/4 NPT)
11	505-0129	1	Bushing, Reducer – Hex (1 NPT x 3/4 NPT)	40	505-0166	1	#Tee, Pipe (3/4 NPT)
12	148-0626	1	Valve, Control – Manual (3/4 NPT)	41	821-0018	2	#Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8)
13	503-1059	2	Clamp, Hose	42	870-0212	2	#Nut, Self-Locking – Hex Washer Head (1/4-20 x 5/8)
	503-0429	2	Manual Changeover Systems	43	148-0627	1	#Switch, Pressure – 12 VDC (S9)
			Automatic Changeover Systems	44	505-0102	1	#Nipple, Pipe – Close (3/4 NPT x 1-3/8)
14	503-1073	1	Hose, Rubber	45	307-0268	1	+Valve, Solenoid – 12 VDC (1/4 NPT) (E4)
15	505-0330	2	Nipple, Half (1 NPT x 2)	46	502-0047	1	+Nipple, Pipe – Close – Brass (1/4 NPT x 7/8)
16	505-0041	1	Elbow, Pipe – 90 deg. (1 NPT)	47	502-0054	1	+Elbow, Pipe – 90 deg. – Brass (1/4 NPT)
17	505-0129	1	Bushing, reducer – Hex (1 NPT x 3/4 NPT)				
18	505-0021	1	Bushing, Reducer – Hex (3/4 NPT x 1/2 NPT)				
19	505-0169	1	Nipple, Pipe (1/2 NPT x 4)				
20	503-0183	4	Clamp, Hose				
21	503-0146	1	Hose, Rubber				
22	503-0352	1	Hose, Rubber				
23	505-0135	2	Nipple, Pipe – Half (3/8 NPT x 1-1/2)				
24	800-0004	2	Screw, Cap – Hex Head (1/4-20 x 5/8)				
25	850-0040	2	Washer, Lock – Spring (1/4)				
26	148-0737	1	Regulator/Converter – LPG				
27	860-2008	2	Nut, Hex (M8)				
28	526-2100	2	Washer, Flat (M8)				
29			Carburetor, Vapor – Gas				
	141-0915	1	Manual Changeover Systems Includes Mounting Gasket)				
	141-0954	1	Automatic Changeover Systems				

\* – In 1981 and 1982 production a quantity of 2 was used and beginning in 1983 production a quantity of 1 is used for manual changeover systems.

# – Parts used with automatic changeover systems.

+ – Use began in 1983 production with manual changeover systems.

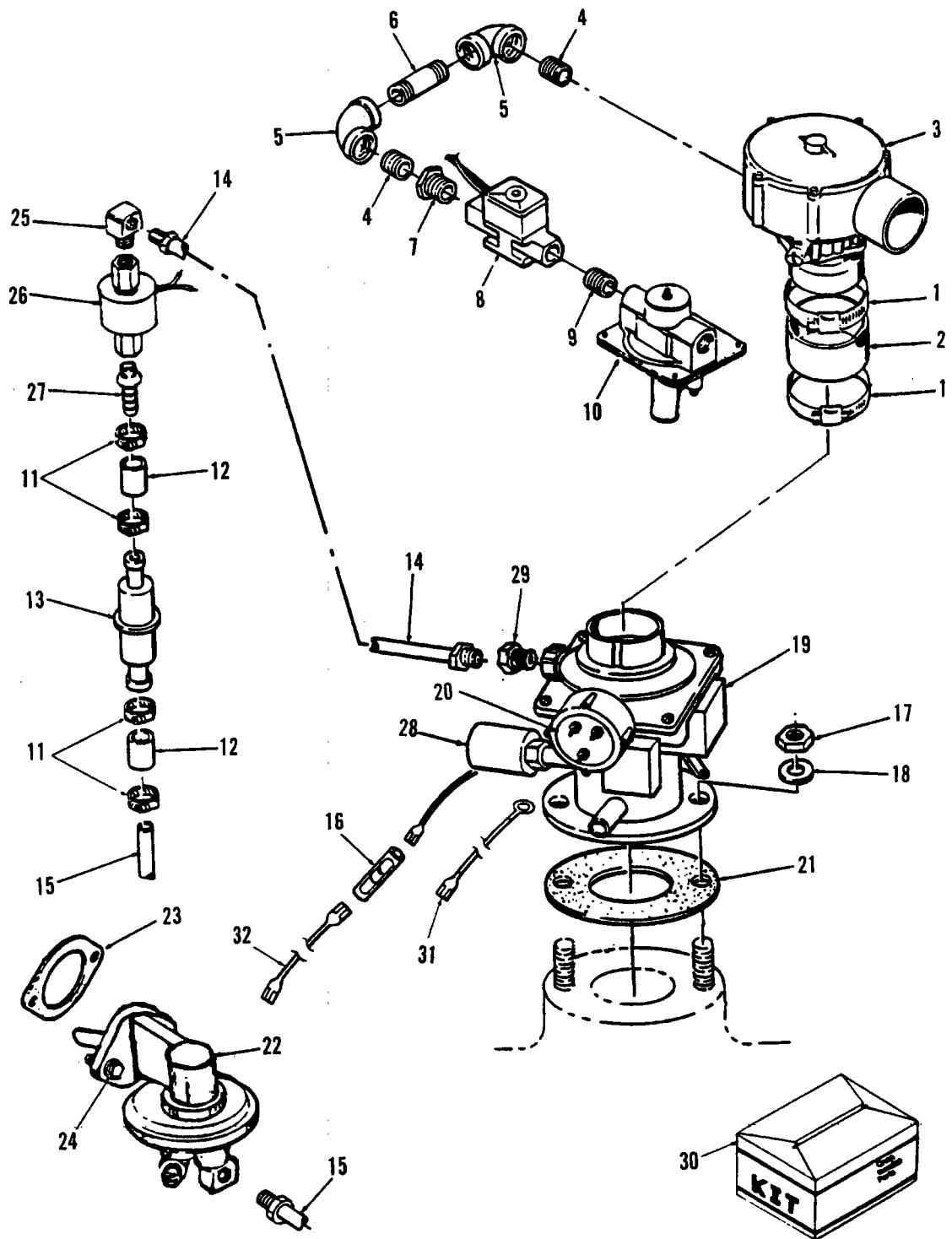
**Dual Fuel System**  
**Gasoline & Propane Liquid**  
**With Manual Changeover**  
**(Spec A-F)**



**Dual Fuel System**  
**Gasoline & Propane Liquid**  
**With Manual Changeover**  
**(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0465	2	Clamp, Hose	23	502-0054	1	Elbow, Pipe – 90 deg. – Brass (1/4 NPT)
2	503-0542	1	Hose, Rubber	24	502-0943	2	Connector, Hose
3	148-0691	1	Mixer, Vapor – Gas	25	503-0685	4	Clamp, Hose
4	505-0106	2	Nipple, Pipe – Close (1/2 NPT x 1-1/2)	26	503-0883	2	Hose, Rubber
5	505-0132	3	Elbow, Pipe – 90 deg. (3/4 NPT)	27	503-1774	1	Filter, Fuel
6	505-0085	1	Nipple, Pipe (3/4 NPT x 2)	28	149-1869	1	Line, Fuel – Solenoid to Carburetor
7	505-0021	2	Bushing, Reducer – Hex (3/4 NPT x 1/2 NPT)	29	149-1776	1	Line, Fuel – Pump to Filter
8	141-0944	1	Kit, Repair – Carburetor	30	332-0819	1	Splice, Electrical
9	503-0398	2	Clamp, Hose	31	860-2008	2	Nut, Hex (M8 x 1-1/4)
10	503-1909-02	1	Hose, Rubber (3/4 ID x 14)	32	526-2100	2	Washer, Flat (M8)
11	502-1031	2	Connector, Hose	33	141-0953	1	Carburetor, Gasoline
12	141-0951	1	Solenoid	34	141-0911	1	Cover, Choke – W/Heater & Spring
13	502-0018	1	Connector, Male	35	141-0959	1	Gasket, Mounting – Carburetor
14	505-0078	1	Nipple, Pipe (1/2 NPT x 2-1/2)	36	149-1810	1	Pump, Fuel
15	503-0183	4	Clamp, Hose	37		1	Gasket, Mounting – Fuel Pump (Supplied by Ford)
16	503-0146	1	Hose, Rubber (5/8 x 32)	38	800-2058	2	Screw, Cap – Hex Head (M8 x 1-1/4 x 25MM)
17	503-0352	1	Hose, Rubber (5/8 x 20)	39	502-0004	1	Elbow, Pipe – 90 deg. – Brass (1/8 NPT x 1/2-20)
18	800-0004	2	Screw, Cap – Hex Head (1/4-20 x 5/8)	40	307-1279	1	Valve, Solenoid – 12 VDC (1/8 NPT x 1/8 NPT) (E9)
19	850-0040	2	Washer, Lock – Spring (1/4)	41	502-0395	1	Adapter, Pipe to Hose
20	148-0737	1	Regulator/Converter – LPG				
21	307-0268	1	Valve, Solenoid – 12 VDC (1/4 NPT) (E4)				
22	502-0047	1	Nipple, Pipe – Close – Brass (1/4 NPT x 7/8)				

**Dual Fuel System**  
**Gasoline & Propane Vapor**  
**Gasoline & Natural Gas**  
**With Manual Changeover**  
**(Spec A-F)**



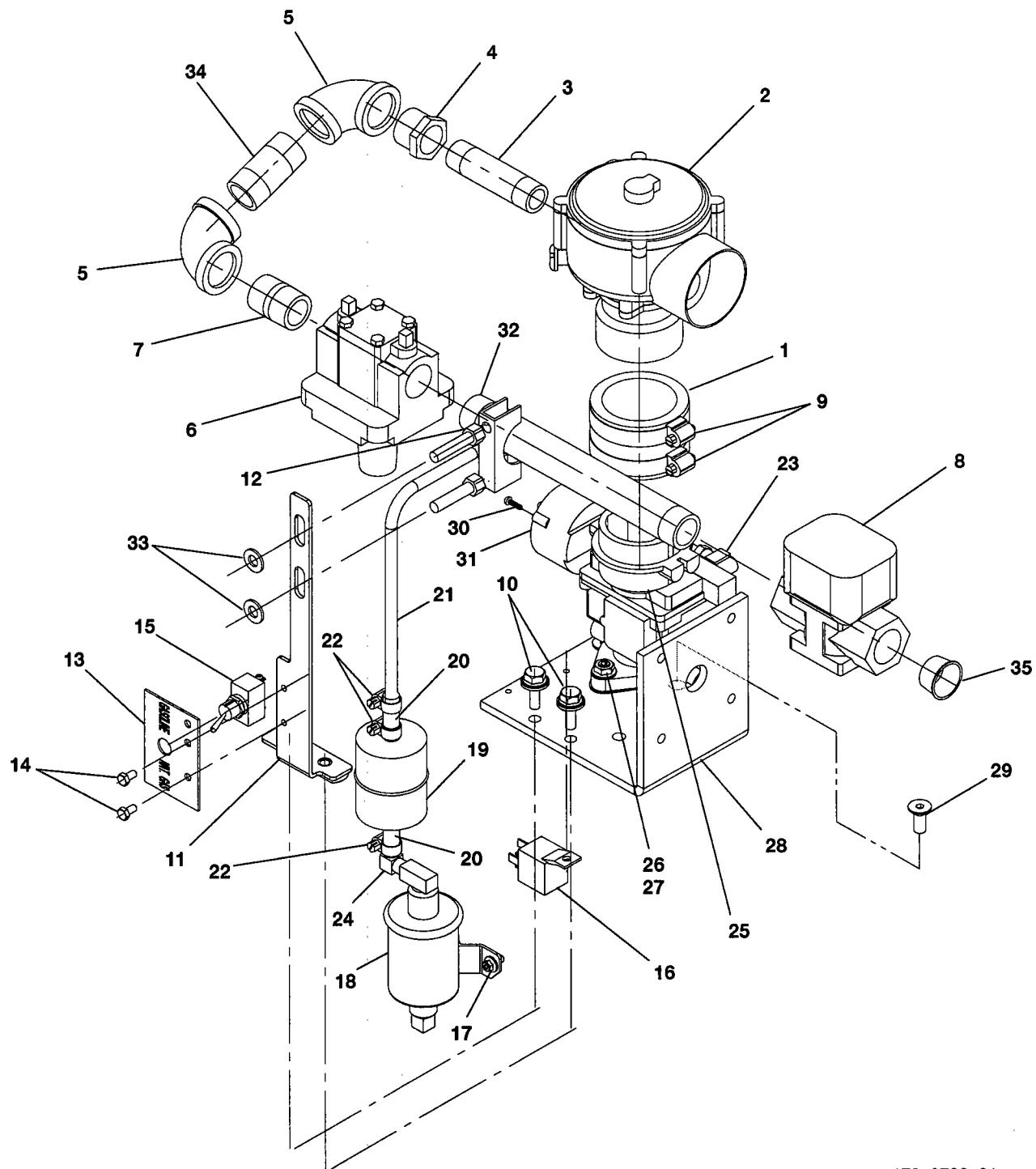
**Dual Fuel System**  
**Gasoline & Propane Vapor**  
**Gasoline & Natural Gas**  
**With Manual Changeover**  
**(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0465	2	Clamp, Hose	20	141-0911	1	Cover, Choke W/Heater & Spring
2	503-0542	1	Hose, Rubber	21	141-0959	1	Gasket, Mounting – Carburetor
3	148-0691	1	Mixer, Vapor – Gas (1/2 NPT)	22	149-1810	1	Pump, Fuel
4	505-0100	2	Nipple, Pipe – Close (1/2 NPT x 1-1/8)	23		1	Gasket, Mounting – Fuel Pump (Supplied by Ford)
5	505-0040	2	Elbow, Pipe – 90 deg. (1/2 NPT)	24	800-2058	2	Screw, Cap – Hex Head (M8 x 1-1/4 x 25MM)
6	505-0078	1	Nipple, Pipe (1/2 NPT x 2-1/2)	25	502-0004	1	Elbow, Pipe – 90 deg. – Brass (1/8 NPT x 1/2-20)
7	505-0021	1	Bushing, Reducer – Hex (3/4 NPT x 1/2 NPT)	26	307-1279	1	Valve, Solenoid – 12 VDC (1/8 NPT x 1/8 NPT) (E9)
8	307-0312	1	Valve, Solenoid – 12 VDC (3/4 NPT) (K7)	27	502-0395	1	Adapter, Pipe to Hose
9	505-0102	1	*Nipple, Pipe – Close (3/4 NPT x 1-3/8)	28	141-0951	1	Solenoid
10	148-0637	1	*Regulator, Pressure – Gas Vapor (3/4 NPT)	29	502-0018	1	*Connector, Male
11	503-0685	4	Clamp, Hose	30	141-0944	1	#Kit, Repair – Carburetor (Used with 141-0953 Carburetor)
12	503-0883	2	Hose, Rubber	31	336-7062	1	#Lead, Electrical – Choke
13	149-1774	1	Filter, Fuel	32	336-8228	1	#Lead, Electrical – Solenoid
14	149-1869	1	Line, Fuel – Solenoid to Carburetor				
15	149-1776	1	Line, Fuel – Pump to Filter				
16	332-0819	1	Splice, Electrical				
17	860-2008	2	Nut, Hex (M8 x 1-1/2)				
18	526-2100	2	Washer, Flat (M8)				
19	141-0953	1	Carburetor, Gasoline Gasoline & Natural Gas Dual Fuel Systems (Includes Mounting Gasket)				
	141-0915	1	Gasoline & LPG Vapor Dual Fuel Systems				

\* – Used on Gasoline and LPG Vapor Dual Fuel Systems.

# – Used on Gasoline and Natural Gas Dual Fuel Systems.

**Fuel System**  
**Natural Gas/Gasoline With Manual Changeover**  
**(Spec G)**

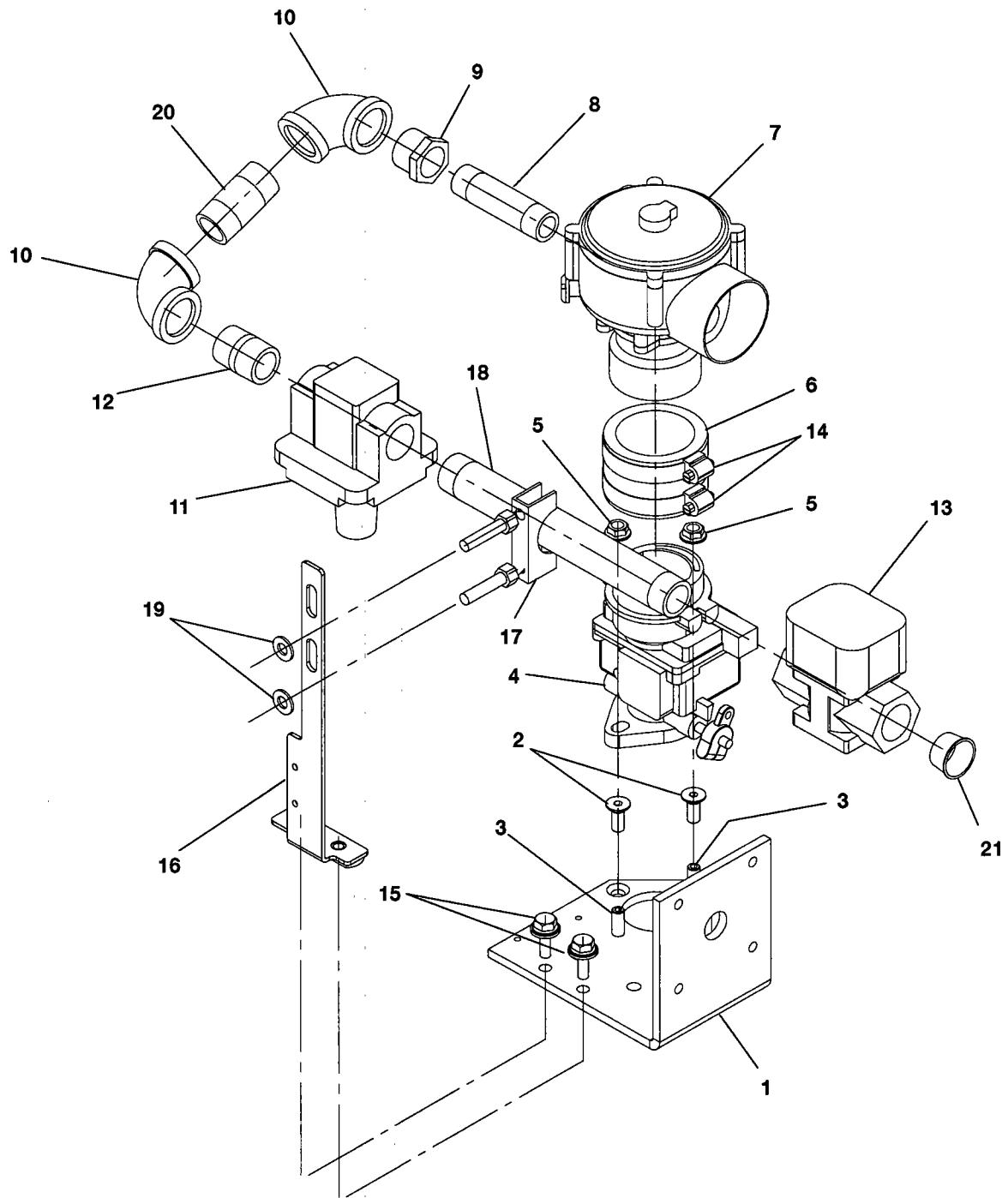


179-0728-01

**Fuel System**  
**Natural Gas/Gasoline With Manual Changeover**  
**(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
1	503-0542	1	Hose, Adapter	25	179-0585	1	Choke and Carburetor Assembly (Includes Parts Indented Below)	
2	148-0691	1	Carburetor, Natural Gas				Carburetor	
3	505-0002	1	Nipple, Pipe (1/2" x 3")		141-0953	1	Screw, Fillister Head (#10-24 x 1/2)	
4	505-0021	1	Bushing, Reducer (3/4")		815-0103	1	Shaft, Choke	
5	505-0132	2	Elbow, Pipe - 90° (3/4")				Housing, Thermo	
6	148-0597	1	Regulator, Natural Gas				Plate, Choke	
7	505-0102	1	Nipple, Close (3/4" x 1-1/4")		141-0908	1	Screw and Lock Washer (5-40)	
8	307-0312	1	Valve, Solenoid		145-0544	1	Cork, Insulator	
9	503-0465	2	Clamp, Hose		141-0916	1	Plate, Heatsink	
10	821-6003-02	2	Screw, Hex Head (M8 x 20mm)		141-0906	2	Cork, Insulator	
11	149-2492-02	1	Brackrt, Support				Screw, Socket Set (M8 x 25mm)	
12	155-1256	1	Clamp, Muffler		141-0909	1	Nut, Locking - Hex Flange Head (M8 x 1.25)	
13	308-0150	1	Plate, Mounting - Switch		141-0905	1	Bracket, Governor	
14	815-0652	2	Screw, Hex Washer Head - Thread Forming (#10-32 x 1/2)		141-0910	1	Screw, Socket - Countersunk (M8 x 20mm)	
15	308-0005	1	Switch, Toggle (Single Pole - Double Throw)		26	803-2001-08	2	Screw, Machine - Round Head (#10-32 x 1/4)
16	307-2817-01	1	Relay		27	870-2055	2	Cover, Choke
17	815-0389	2	Screw, Hex Washer Head (M5 x 10)		28	150-2622-02	1	Nipple, Pipe (3/4" x 8")
18	149-2331	1	Pump, Fuel		29	803-2011-03	2	Washer, Flat
19	149-1774	1	Filter, Fuel		30	813-0096	3	Nipple, Pipe (3/4" x 2")
20	503-0883	2	Hose, Fuel		31	141-0911	1	Plug, Poly
21	149-2507	1	Line, Upper - Fuel		32	505-0438	1	
22	503-0685	4	Clamp, Hose		33	526-2100	2	
23	502-0004	1	Fitting, Inverted - Flare		34	505-0085	1	
24	502-0313	1	Elbow, Barbed		35	517-0094	1	

**Fuel System  
Natural Gas  
(Spec G)**

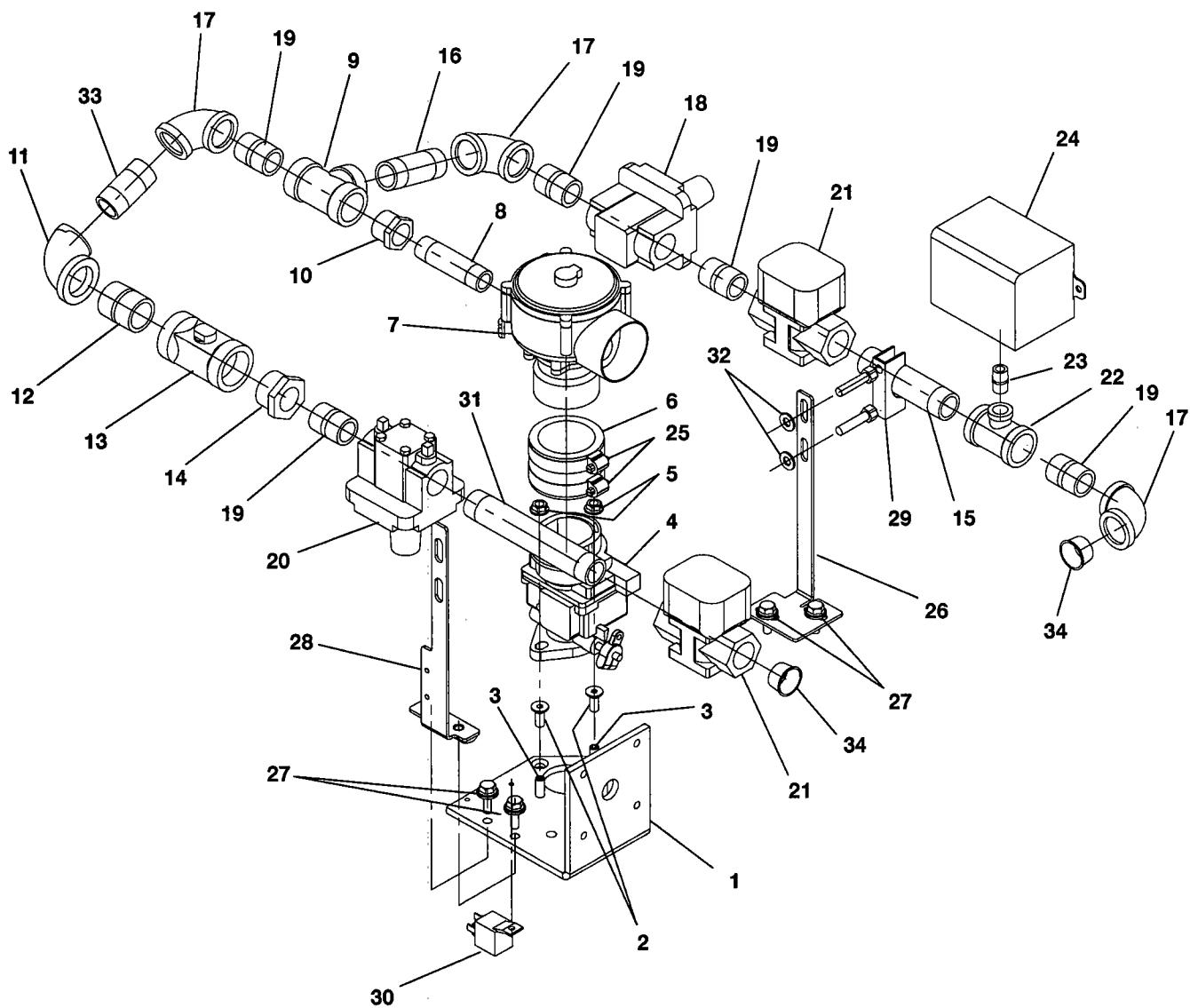


179-0728-02

**Fuel System**  
**Natural Gas**  
**(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2622-02	1	Bracket, Governor	10	505-0132	2	Elbow, Pipe – 90° (3/4")
2	803-2011-03	2	Screw, Socket – Countersunk (M8 x 20mm)	11	148-0597	1	Regulator, Natural Gas
3	803-2001-08	2	Screw, Socket – Set (M8 x 25mm)	12	505-0102	1	Nipple, Close (3/4" x 1-1/4")
4	141-0954	1	Carburetor	13	307-0312	1	Valve, Solenoid
5	870-2055	2	Nut, Locking – Hex Flange Head (M8 x 1.25mm)	14	503-0465	2	Clamp, Hose
6	503-0542	1	Hose, Adapter	15	821-6003-02	2	Screw, Hex Head (M8 x 20mm)
7	148-0691	1	Carburetor, Natural Gas	16	149-2492-02	1	Brackrt, Support
8	505-0002	1	Nipple, Pipe (1/2" x 3")	17	155-1256	1	Clamp, Muffler
9	505-0021	1	Bushing, Reducer (3/4")	18	505-0438	1	Nipple, Pipe (3/4" x 8")
				19	526-2100	2	Washer, Flat
				20	505-0085	1	Nipple, Pipe (3/4" x 2")
				21	517-0094	1	Plug, Poly

**Fuel System**  
**Natural Gas/Propane Vapor With Automatic Changeover**  
**(Spec G)**

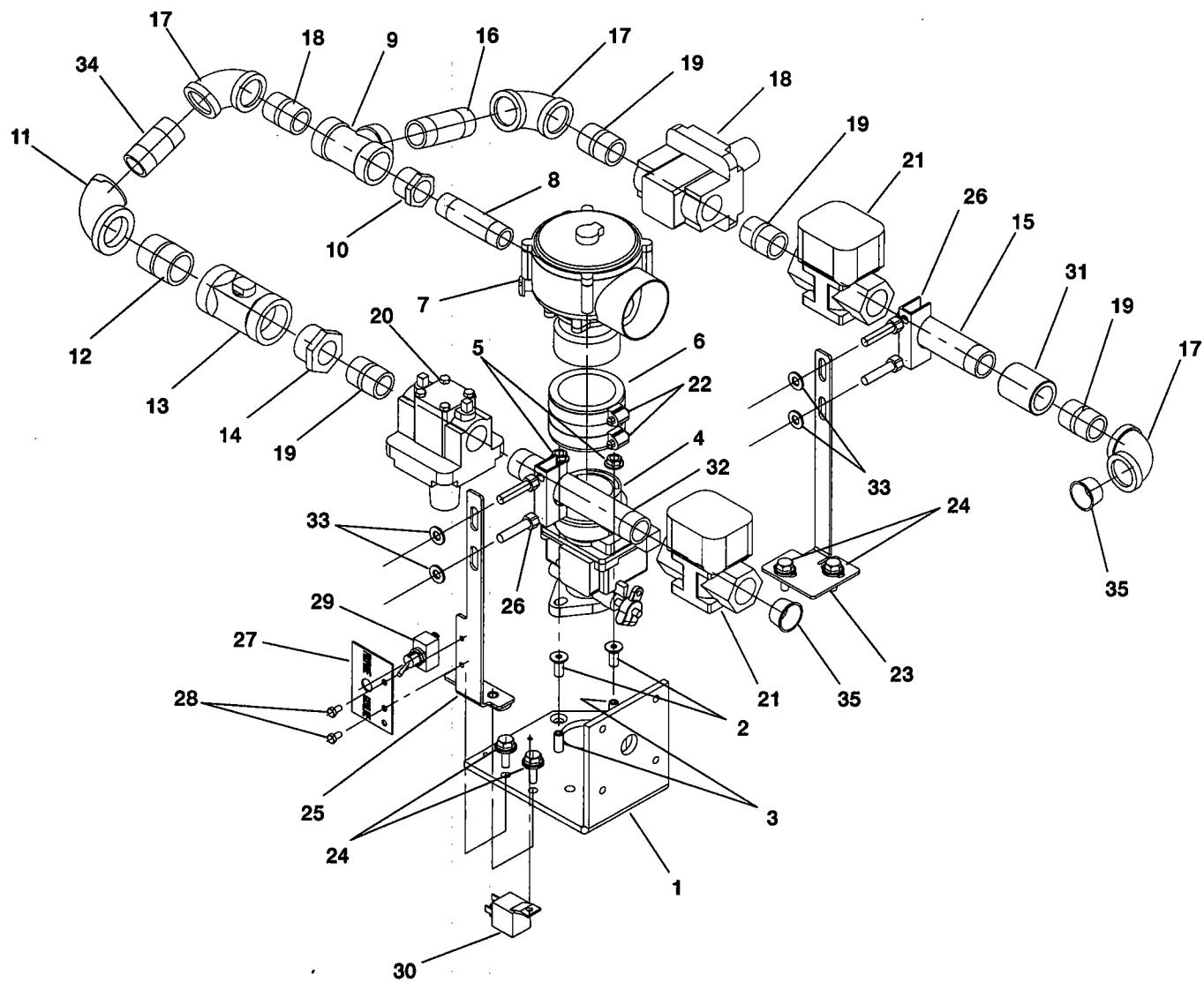


179-0728-03

**Fuel System**  
**Natural Gas/Propane Vapor With Automatic Changeover**  
**(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2622-02	1	Bracket, Governor	17	505-0132	3	Elbow, Pipe – 90° (3/4")
2	803-2011-03	2	Screw, Socket – Countersunk (M8 x 20mm)	18	148-0597	1	Regulator, Natural Gas
3	803-2001-08	2	Screw, Socket – Set (M8 x 25mm)	19	505-0102	5	Nipple, Close (3/4" x 1-1/4")
4	141-0954	1	Carburetor	20	148-0637	1	Regulator, Propane Vapor
5	870-2055	2	Nut, Locking – Hex Flange Head (M8 x 1.25mm)	21	307-0312	2	Valve, Solenoid
6	503-0542	1	Hose, Adapter	22	505-1496	1	Tee, Reducing
7	148-0691	1	Carburetor, Natural Gas	23	505-0099	1	Nipple, Pipe (1/4" x 7/8")
8	505-0002	1	Nipple, Pipe (1/2" x 3")	24	148-0998	1	Switch, Pressure
9	505-0166	1	Tee, Pipe (3/4")	25	503-0465	2	Clamp, Hose
10	505-0021	1	Bushing, Reducer (3/4")	26	149-2491-02	1	Bracket, Support
11	505-0356	1	Elbow, Pipe – 90° (3/4" x 1")	27	821-6003-02	4	Screw, Hex Head (M8 x 20mm)
12	505-0004	1	Nipple, Pipe (1" x 1-1/2")	28	149-2492-02	1	Brackrt, Support
13	148-0626	1	Valve, Load Adjusting	29	155-1256	2	Clamp, Muffler
14	505-0129	1	Bushing, Reducer (1" x 3/4")	30	307-2817-01	1	Relay
15	505-0337	1	Nipple, Pipe (3/4" x 4")	31	505-0754	1	Nipple, Pipe (3/4" x 6")
16	505-0084	1	Nipple, Pipe (3/4" x 2-1/2")	32	526-2100	4	Washer, Flat
				33	505-0085	1	Nipple, Pipe (3/4" x 2")
				34	517-0094	2	Plug, Poly

**Fuel System**  
**Natural Gas/Propane Vapor With Manual Changeover**  
**(Spec G)**

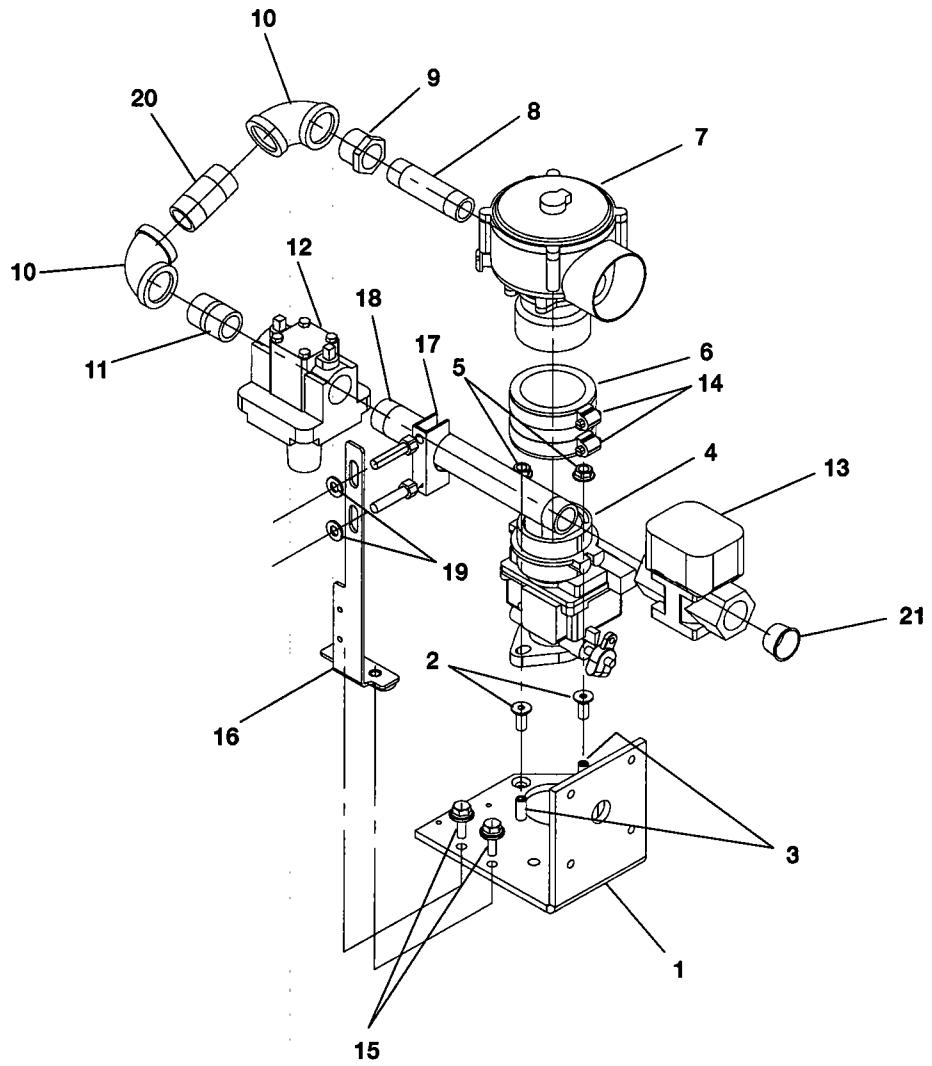


179-0728-04

**Fuel System**  
**Natural Gas/Propane Vapor With Manual Changeover**  
**(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2622-02	1	Bracket, Governor	19	505-0102	5	Nipple, Close (3/4" x 1-1/4")
2	803-2011-03	2	Screw, Socket - Countersunk (M8 x 20mm)	20	148-0637	1	Regulator, Propane Vapor
3	803-2001-08	2	Screw, Socket - Set (M8 x 25mm)	21	307-0312	2	Valve, Solenoid
4	141-0954	1	Carburetor	22	503-0465	2	Clamp, Hose
5	870-2055	2	Nut, Locking - Hex Flange Head (M8 x 1.25mm)	23	149-2491-02	1	Bracket, Support
6	503-0542	1	Hose, Adapter	24	821-6003-02	4	Screw, Hex Head (M8 x 20mm)
7	148-0691	1	Carburetor, Natural Gas	25	149-2492-02	1	Brackrt, Support
8	505-0002	1	Nipple, Pipe (1/2" x 3")	26	155-1256	2	Clamp, Muffler
9	505-0166	1	Tee, Pipe (3/4")	27	308-0150	1	Switch, Mounting Plate
10	505-0021	1	Bushing, Reducer (3/4")	28	815-0652	2	Screw, Hex Washer Head - Thread Forming (#10-32 x 1/2")
11	505-0356	1	Elbow, Pipe - 90° (3/4" x 1")	29	308-0005	1	Switch, Toggle (Single Pole - Double Throw)
12	505-0004	1	Nipple, Pipe (1" x 1-1/2")	30	307-2817-01	1	Relay
13	148-0626	1	Valve, Load Adjusting	31	505-0029	1	Coupling, Pipe (3/4")
14	505-0129	1	Bushing, Reducer (1" x 3/4")	32	505-0754	1	Nipple, Pipe (3/4" x 6")
15	505-0337	1	Nipple, Pipe (3/4" x 4")	33	526-2100	4	Washer, Flat
16	505-0084	1	Nipple, Pipe (3/4" x 2-1/2")	34	505-0085	1	Nipple, Pipe (3/4" x 2")
17	505-0132	3	Elbow, Pipe - 90° (3/4")	35	517-0094	2	Plug, Poly
18	148-0597	1	Regulator, Natural Gas				

**Fuel System  
Propane Vapor  
(Spec G)**

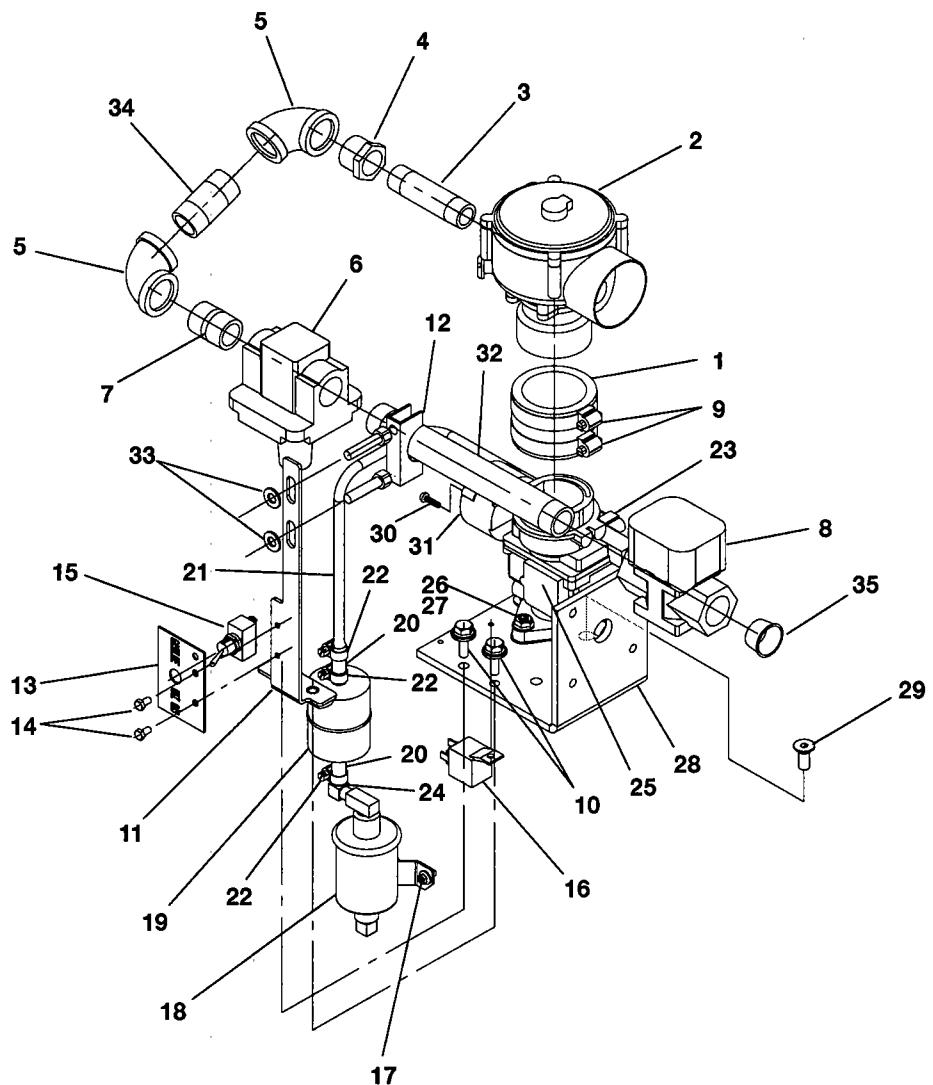


179-0728-05

**Fuel System  
Propane Vapor  
(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2622-02	1	Bracket, Governor	10	505-0132	2	Elbow, Pipe – 90° (3/4")
2	803-2011-03	2	Screw, Socket – Countersunk (M8 x 20mm)	11	505-0102	1	Nipple, Close (3/4" x 1-1/4")
3	803-2001-08	2	Screw, Socket – Set (M8 x 25mm)	12	148-0637	1	Regulator, Propane Vapor
4	141-0954	1	Carburetor	13	307-0312	1	Valve, Solenoid
5	870-2055	2	Nut, Locking – Hex Flange Head (M8 x 1.25mm)	14	503-0465	2	Clamp, Hose
6	503-0542	1	Hose, Adapter	15	821-6003-02	2	Screw, Hex Head (M8 x 20mm)
7	148-0691	1	Carburetor, Natural Gas	16	149-2492-02	1	Bracket, Support
8	505-0002	1	Nipple, Pipe (1/2" x 3")	17	155-1256	1	Clamp, Muffler
9	505-0021	1	Bushing, Reducer (3/4")	18	505-0438	1	Nipple, Pipe (3/4" x 8")
				19	526-2100	2	Washer, Flat
				20	505-0085	1	Nipple, Pipe (3/4" x 2")
				21	517-0094	1	Plug, Poly

**Fuel System**  
**Propane Vapor/Gasoline With Manual Changeover**  
**(Spec G)**

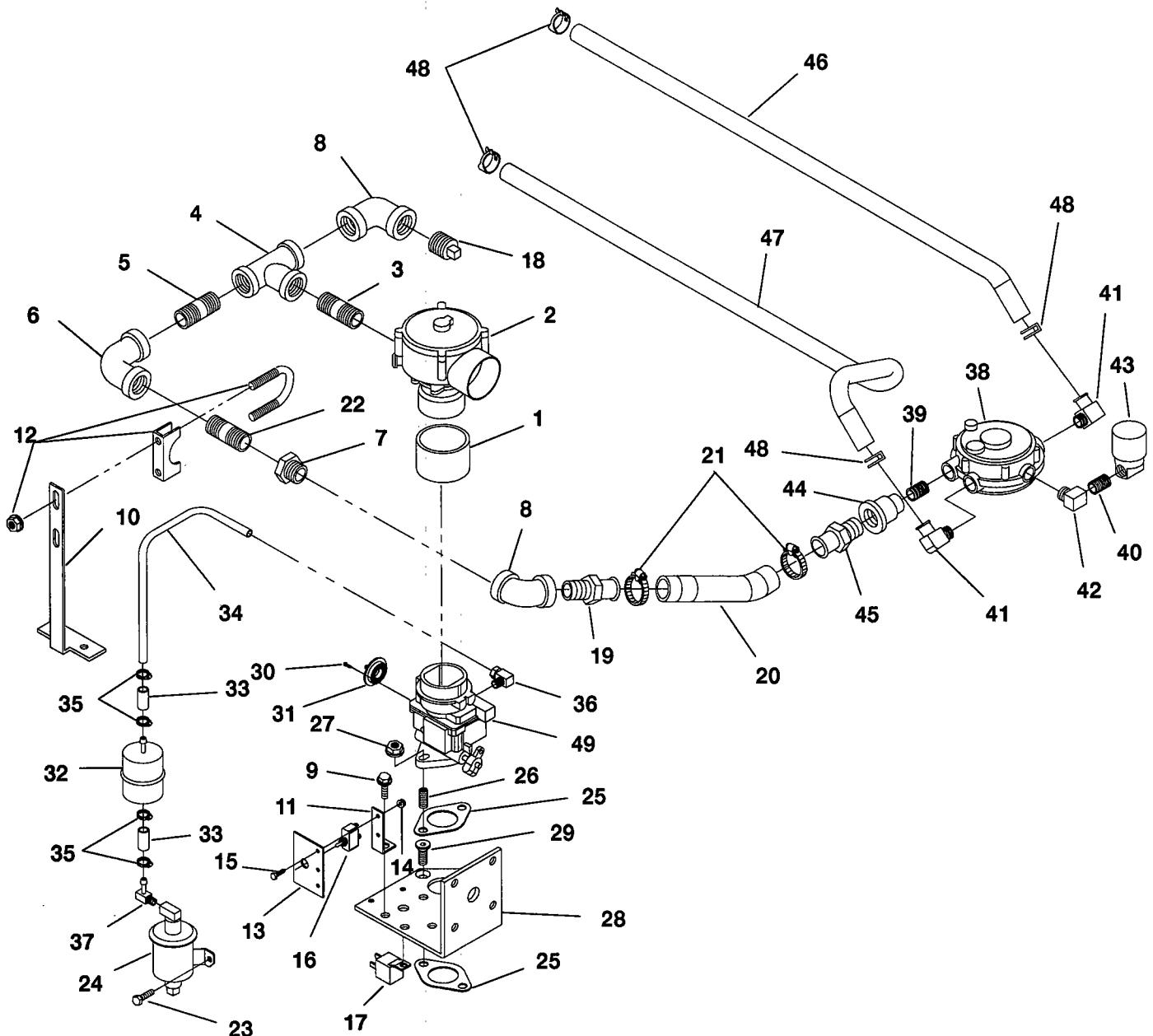


179-0728-06

**Fuel System**  
**Propane Vapor/Gasoline With Manual Changeover**  
**(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
1	503-0542	1	Hose, Adapter	25	179-0585	1	Choke and Carburetor Assembly (Includes Parts Indented Below)	
2	148-0691	1	Carburetor, Natural Gas				Carburetor	
3	505-0002	1	Nipple, Pipe (1/2" x 3")		141-0953	1	Screw, Fillister Head (#10-24 x 1/2)	
4	505-0021	1	Bushing, Reducer (3/4")		815-0103	1	Shaft, Choke	
5	505-0132	2	Elbow, Pipe - 90° (3/4")		141-0908	1	Housing, Thermo	
6	148-0637	1	Regulator, Propane Vapor		145-0544	1	Plate, Choke	
7	505-0102	1	Nipple, Close (3/4" x 1-1/4")		141-0916	1	Screw and Lock Washer (5-40)	
8	307-0312	1	Valve, Solenoid		141-0906	2	Cork, Insulator	
9	503-0465	2	Clamp, Hose		141-0909	1	Plate, Heatsink	
10	821-6003-02	2	Screw, Hex Head (M8 x 20mm)		141-0905	1	Cork, Insulator	
11	149-2492-02	1	Brackrt, Support		141-0910	1	Screw, Socket Set (M8 x 25mm)	
12	155-1256	1	Clamp, Muffler		26	803-2001-08	2	
13	308-0150	1	Plate, Mounting - Switch		27	870-2055	2	Nut, Locking - Hex Flange Head (M8 x 1.25)
14	815-0652	2	Screw, Hex Washer Head - Thread Forming (#10-32 x 1/2)		28	150-2622-02	1	Bracket, Governor
15	308-0005	1	Switch, Toggle (Single Pole - Double Throw)		29	803-2011-03	2	Screw, Socket - Countersunk (M8 x 20mm)
16	307-2817-01	1	Relay		30	813-0096	3	Screw, Machine - Round Head (#10-32 x 1/4)
17	815-0389	2	Screw, Hex Washer Head (M5 x 10)		31	141-0911	1	Cover, Choke
18	149-2331	1	Pump, Fuel		32	505-0438	1	Nipple, Pipe (3/4" x 8")
19	149-1774	1	Filter, Fuel		33	526-2100	2	Washer, Flat
20	503-0883	2	Hose, Fuel		34	505-0085	1	Nipple, Pipe (3/4" x 2")
21	149-2507	1	Line, Upper - Fuel		35	517-0094	1	Plug, Poly
22	503-0685	4	Clamp, Hose					
23	502-0004	1	Fitting, Inverted - Flare					
24	502-0313	1	Elbow, Barbed					

**Fuel System**  
**Propane/Gasoline**  
**(Spec G)**

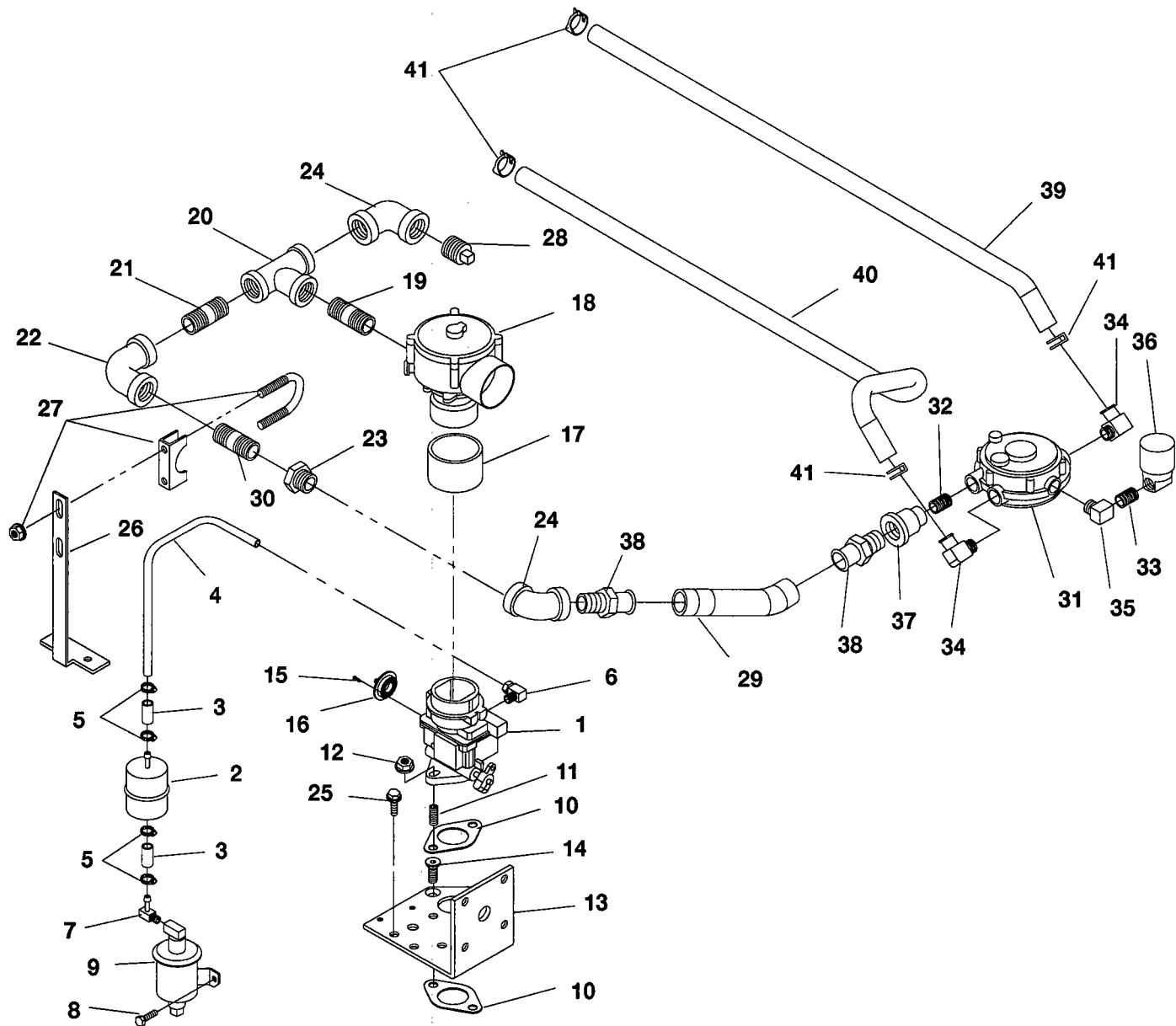


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**Fuel System  
Propane/Gasoline  
(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0542	1	Hose, Adapter	27	870-2056	2	Nut, Lock – Flange (m10 x 1-1/2)
2	148-0691	1	Carburetor, Natural Gas	28	150-2622-02	1	Bracket, Governor
3	505-0080	1	Nipple, Pipe (1/2NPT x 5)	29	803-2011-03	2	Screw, Socket – Countersunk (m8 x 1-1/4 x 20)
4	505-0167	1	Tee, Reducing	30	813-0096	3	Screw, Machine – Round Head (#10-32 x 1/4)
5	505-0085	1	Nipple, Pipe (3/4NPT x 2)	31	141-0911	1	Cover, Choke (Includes Spring and Element)
6	505-0356	1	Elbow (90 deg.)	32	149-1774	1	Filter, Fuel
7	505-0129	1	Bushing, Reducer (1NPT x 3/4NPT)	33	503-0883	2	Hose, Fuel
8	505-0132	2	Elbow, Pipe (90 deg.)	34	149-2507	1	Line, Upper – Fuel
9	821-6003-02	2	Screw, Hex Head – SEMS (m8 x 1-1/4 x 20)	35	503-0685	4	Clamp, Hose
10	149-2492-02	1	Bracket, Support	36	502-0004	1	Fitting, Inverted Flare
11	306-0155	1	Bracket, Mounting – Solenoid Switch	37	502-0313	1	Elbow, Barbed
12	155-1239	1	Clamp, Muffler (1-1/2)	38	148-0737	1	Regulator
13	308-0150	1	Plate, Mounting – Switch	39	505-0100	1	Nipple, Close (1/4NPT)
14	870-0131	2	Nut, SEMS – ET (#10-32)	40	505-0099	1	Nipple, Close (1/4NPT)
15	813-0098	2	Screw, Machine – Hex Head (#10-32 x .38)	41	502-0942	2	Connector, Hose (90 deg.)
16	308-0005	1	Switch, Toggle (SPDT)	42	502-0054	1	Elbow, Barbed
17	307-2817-01	1	Relay	43	307-0268	1	Valve, Solenoid
18	505-0130	1	Plug, Square Head (3/4NPT)	44	505-0307	1	Coupling, Reducer
19	502-0971	1	Connector, Hose	45	502-0971	1	Connector, Hose
20	503-1103	1	Hose, LP (1" ID x 6")	46	503-1168	–	Hose – Bulk (Order By The Foot – 3 Feet Required)
21	503-0398	2	Clamp, Hose	47	503-1168	–	Hose – Bulk (Order By The Foot – 3 Feet Required)
22	505-0903	1	Nipple, Pipe (3/4NPT x 14.6")	48	503-0131	4	Clamp, Hose
23	815-0389	2	Screw, Hex Washer Head (m5 x .8 x 10)	49	141-0953	1	Carburetor
24	149-2331	1	Pump, Fuel				
25	141-0971	2	Gasket, Carburetor				
26	803-2001-08	2	Screw, Set – Socket (m8 x 1-1/4 x 25)				

**Fuel System  
Propane Liquid  
(Spec G)**

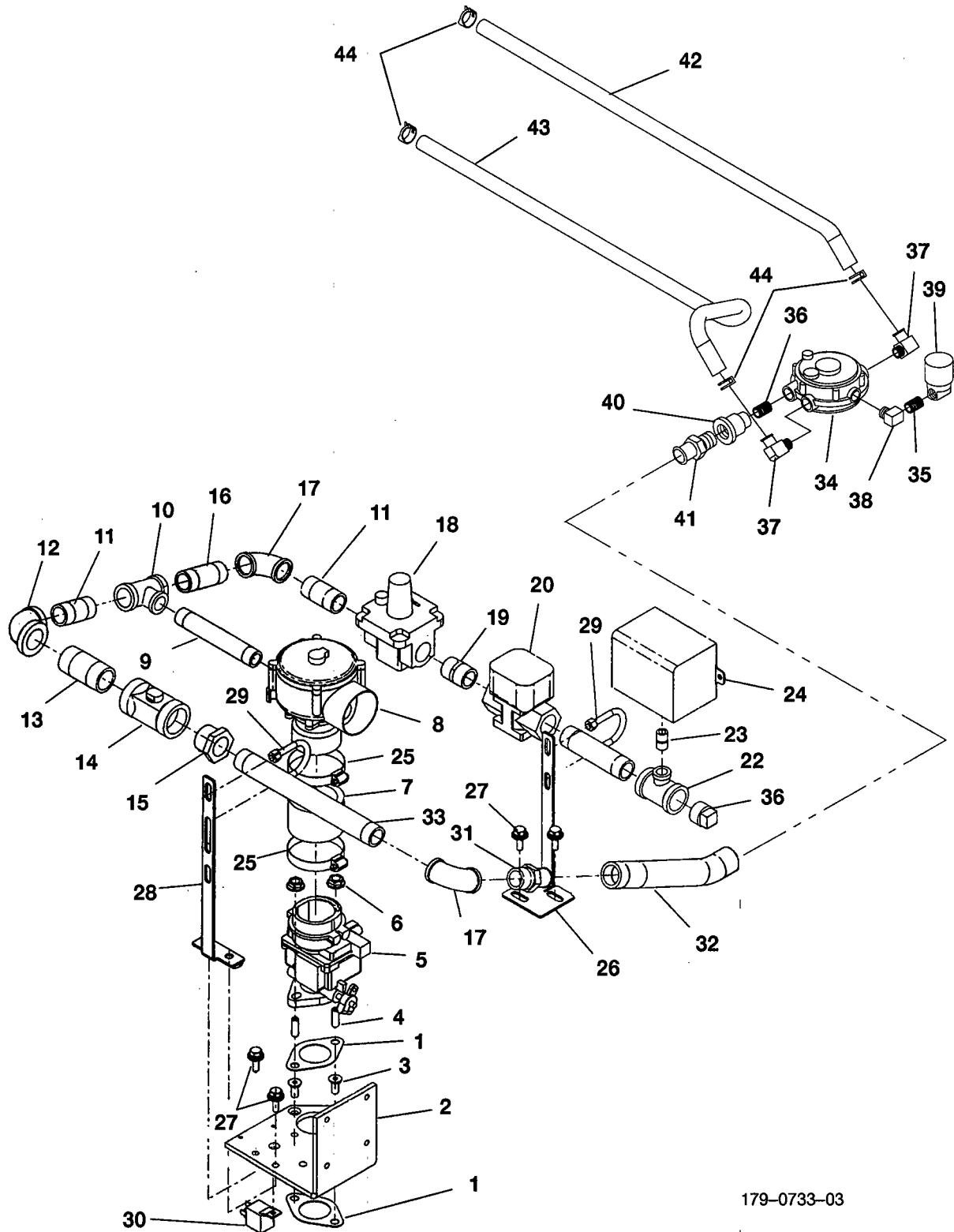


179-0733-02

**Fuel System  
Propane Liquid  
(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	141-0954	1	Carburetor	21	505-0085	1	Nipple, Pipe (3/4NPT x 2")
2	149-1774	1	Filter, Fuel	22	505-0356	1	Elbow (90 deg.)
3	503-0883	2	Hose, Fuel	23	505-0129	1	Bushing, Reducing (1NPT x 3/4NPT)
4	149-2507	1	Line, Upper – Fuel	24	505-0132	2	Elbow (90 deg.)
5	503-0685	4	Clamp, Hose	25	821-6003-02	2	Screw, Hex Head – SEMS (m8 x 1-1/4 x 20)
6	502-0004	1	Fitting, Inverted Flare	26	149-2492-02	1	Bracket, Support
7	502-0313	1	Elbow, Barbed	27	155-1239	1	Clamp, Muffler
8	815-0389	2	Screw, Hex Washer Head (m5 x .8 x 10)	28	505-0130	1	Plug, Square Head (3/4NPT)
9	149-2331	1	Pump, Fuel	29	503-1103	1	Hose, LP (1"ID x 8.6")
10	141-0971	2	Gasket, Carburetor	30	505-0903	1	Nipple, Pipe (3/4NPT x 14.6")
11	803-2001-08	2	Screw, Set – Socket (m8 x 1-1/4 x 25)	31	148-0737	1	Regulator
12	870-2056	2	Nut, Lock – Flange (m10 x 1-1/2)	32	505-0100	1	Nipple, Close (1/2NPT)
13	150-2622-02	1	Bracket, Governor	33	505-0099	1	Nipple, Close (1/4NPT)
14	803-2011-03	2	Screw, Socket – Countersunk (m8 x 1-1/4 x 20)	34	502-0942	2	Connector, Hose (90 deg.)
15	813-0096	3	Screw, Machine – Round Head (#10-32 x 1/4)	35	502-0054	1	Elbow, Barbed
16	141-0911	1	Cover, Choke (Includes spring and element)	36	307-0268	1	Valve, Solenoid
17	503-0542	1	Hose, Adapter	37	505-0307	1	Coupling, Reducer
18	148-0691	1	Carburetor, Natural Gas	38	502-0971	2	Connector, Hose
19	505-0080	1	Nipple, Pipe (1/2NPT x 5")	39	503-1168	–	Hose – Bulk (Order By The Foot – 3 Feet Required)
20	505-0167	1	Tee, Reducing	40	503-1168	–	Hose – Bulk (Order By The Foot – 3 Feet Required)
				41	503-0131	4	Clamp, Hose

**Fuel System**  
**Natural Gas/Propane Liquid With Automatic Changeover**  
**(Spec G)**

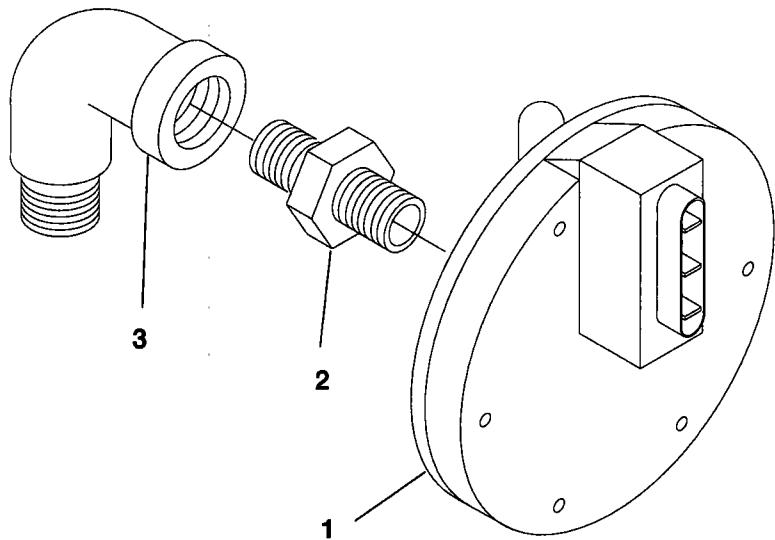


179-0733-03

**Fuel System**  
**Natural Gas/Propane Liquid With Automatic Changeover**  
**(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	141-0971	2	Gasket, Carburetor	23	505-0099	1	Nipple, Pipe (1/4NPT x 7/8)
2	150-2622-02	1	Bracket, Governor	24	148-0998	1	Switch, Pressure (12 volt)
3	803-2011-03	2	Screw, Socket - Countersunk (m8 x 1-1/4 x 20)	25	503-0465	1	Clamp, Hose
4	803-2001-08	2	Screw, Socket - Set (m8 x 1-1/4 x 25)	26	149-2491-02	1	Bracket, Support
5	141-0954	1	Carburetor	27	821-6003-02	4	Screw, Hex Head - SEMS (m8 x 1-1/4 x 20)
6	870-2056	2	Nut, Lock - Flange (m10 x 1-1/2)	28	149-2492-02	1	Bracket, Support
7	503-0542	1	Hose, Adapter	29	155-1239	2	Clamp, Muffler
8	148-0691	1	Carburetor, Natural Gas	30	307-2817-01	1	Relay
9	505-0080	1	Nipple, Pipe (1/2NPT x 5)	31	502-0971	1	Connector, Hose
10	505-0167	1	Tee, Reducing	32	503-1103	1	Hose, LP
11	505-0085	1	Nipple, Pipe (3/4NPT x 2)	33	505-0268	1	Nipple, Pipe (3/4NPT x 9)
12	505-0356	1	Elbow, 90 deg.	34	148-0737	1	Regulator
13	505-0086	1	Nipple, Pipe (1NPT x 2-1/2)	35	505-0100	1	Nipple, Close (1/2NPT)
14	148-0626	1	Valve, Load Adjusting	36	505-0099	1	Nipple, Close
15	505-0129	1	Bushing, Reducer (1NPT x 3/4NPT)	37	502-0942	2	Connector, Hose (90 deg.)
16	505-0084	1	Nipple, Pipe (3/4 x 2-1/2)	38	502-0054	1	Elbow, Barbed
17	505-0132	2	Elbow, Pipe - 90 deg.	39	307-0268	1	Valve, Solenoid
18	148-0597	1	Regulator, Natural Gas	40	505-0307	1	Coupling, Reducer
19	505-0102	1	Nipple, Close (3/4)	41	502-0971	1	Connector, Hose
20	307-0312	1	Valve, Solenoid (12 volt)	42	503-1168	1	Hose - Bulk (Order By The Foot - 3 Feet Required)
21	505-0337	1	Nipple, Pipe (3/4NPT x 4)	43	503-1168	1	Hose - Bulk (Order By The Foot - 3 Feet Required)
22	505-1496	1	Tee, Reducing	44	503-0131	4	Clamp, Hose

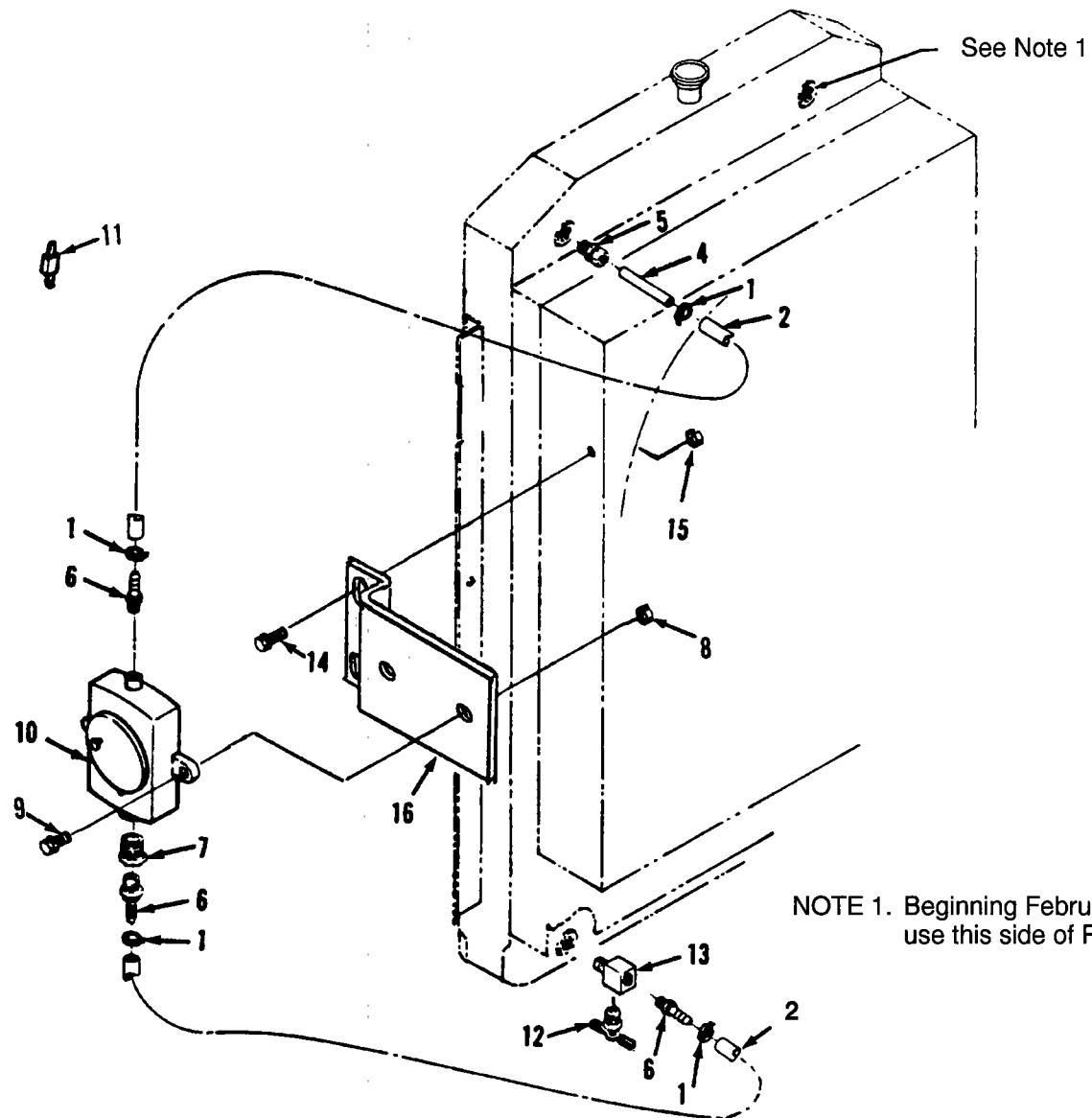
**Vacuum Switch  
(Spec G)**



179-2716

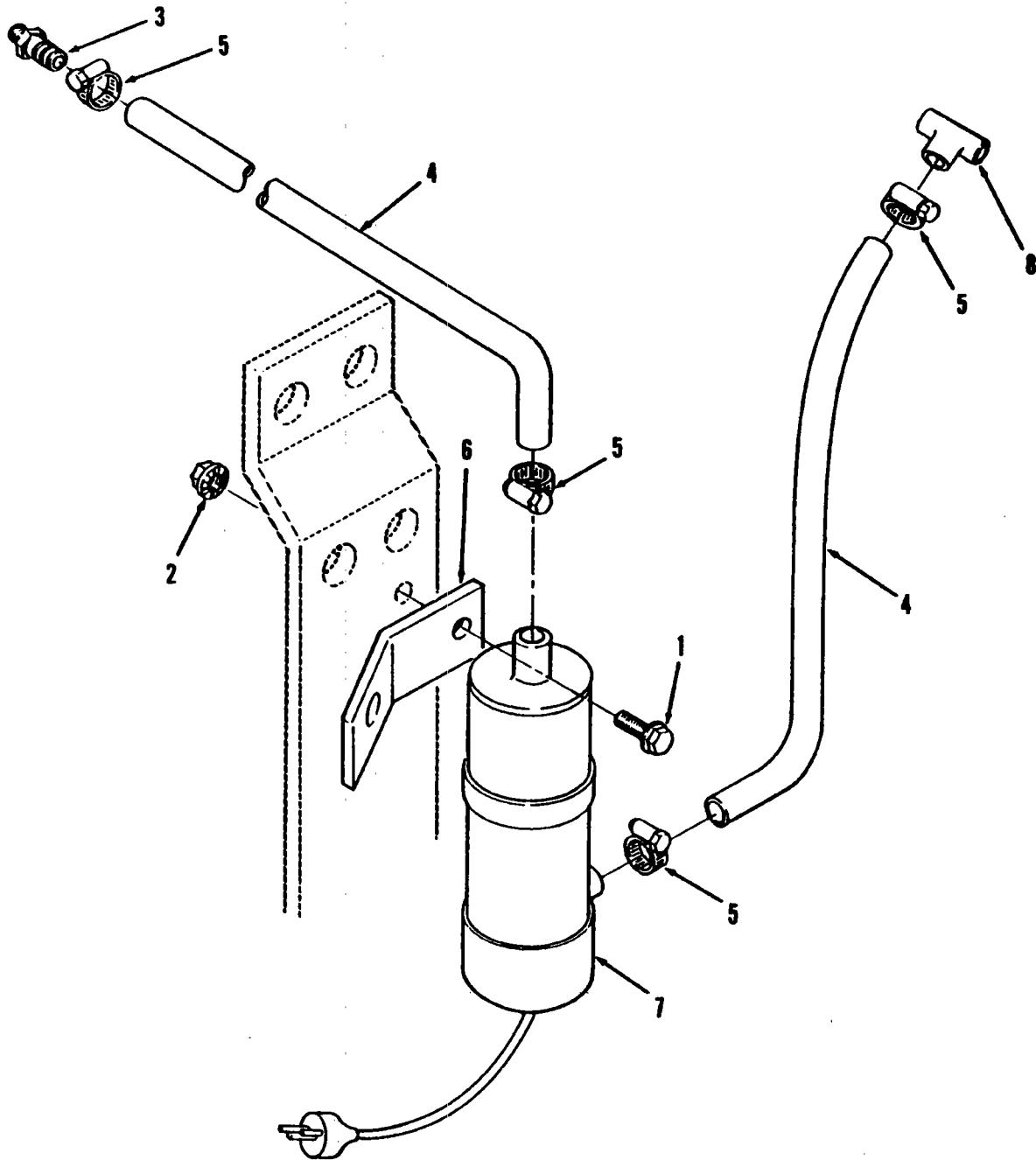
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-0367-01	1	Switch, Vacuum (S13)	3	505-0011	1	Elbow, Street (90 deg.)
2	505-1371	1	Nipple, Close (1/4 x 1/8)				

## Low Coolant Level Switch



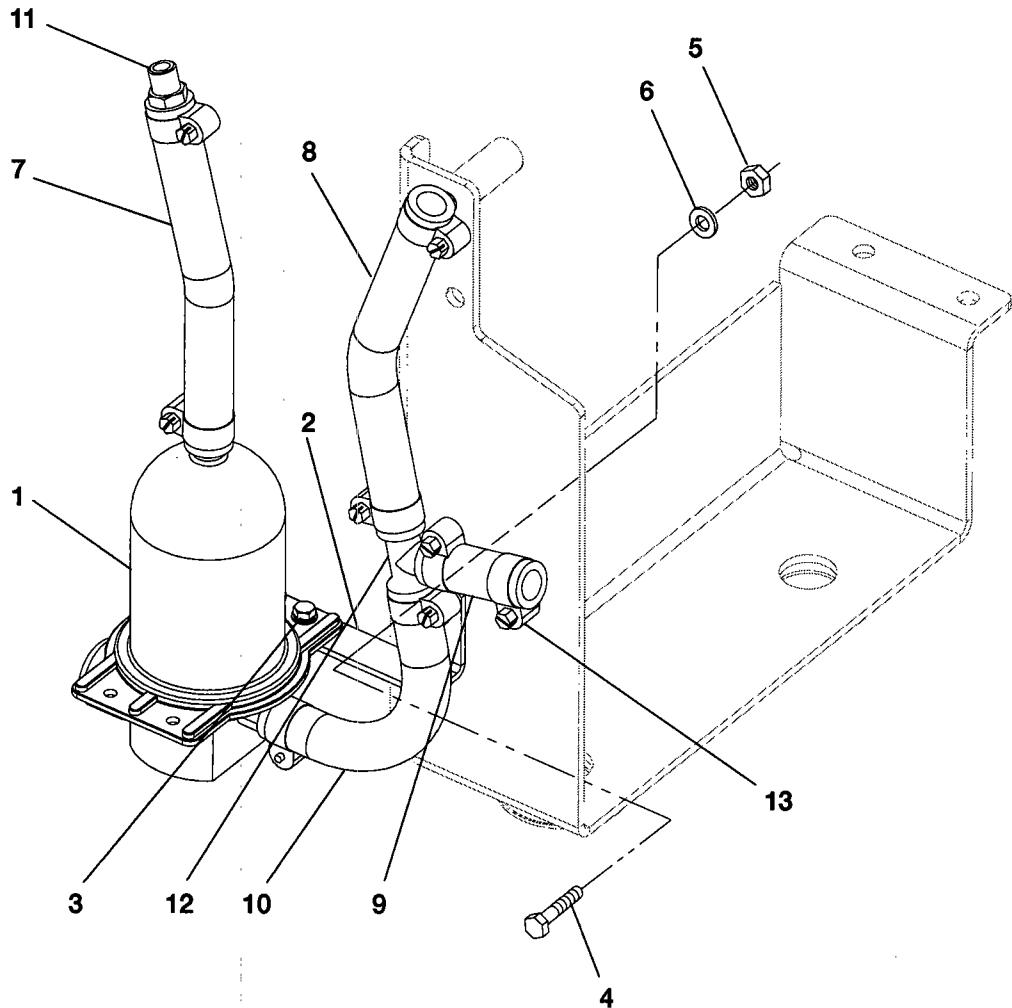
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0685	4	Clamp, Hose	10	193-0329	1	Switch, Coolant Level (S7)
2	503-1418	25"	Hose, Rubber	11	357-0030	1	Rectifier
4	130-2053	1	Tube (1/4 OD x 2)	12	504-0003	1	Cock, Drain
5	502-0809	1	Adapter, Tube (Blind Hole Fitting) (5/8 OD x 1/4 Tube)	13	502-0164	1	Tee, Pipe – Street (1/4 NPT)
6	502-0801	3	Adapter, Pipe to Hose	14	821-0014	2	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)
7	502-0029	3	Bushing, Reducer – Hex – Brass (1/2 NPT x 1/4 NPT)	15	870-0251	2	Nut, Self-Locking – Hex Washer Head (5/16-18)
8	870-0212	2	Nut, Self-Locking – Hex Washer Head (1/4-20)	16	130-2476	1	Plate, Mounting – Switch
9	821-0015	2	Screw, Self-Locking – Hex Washer Head (1/4-20 x 3/4)				

**Engine Coolant Heater  
(Spec A-F)**



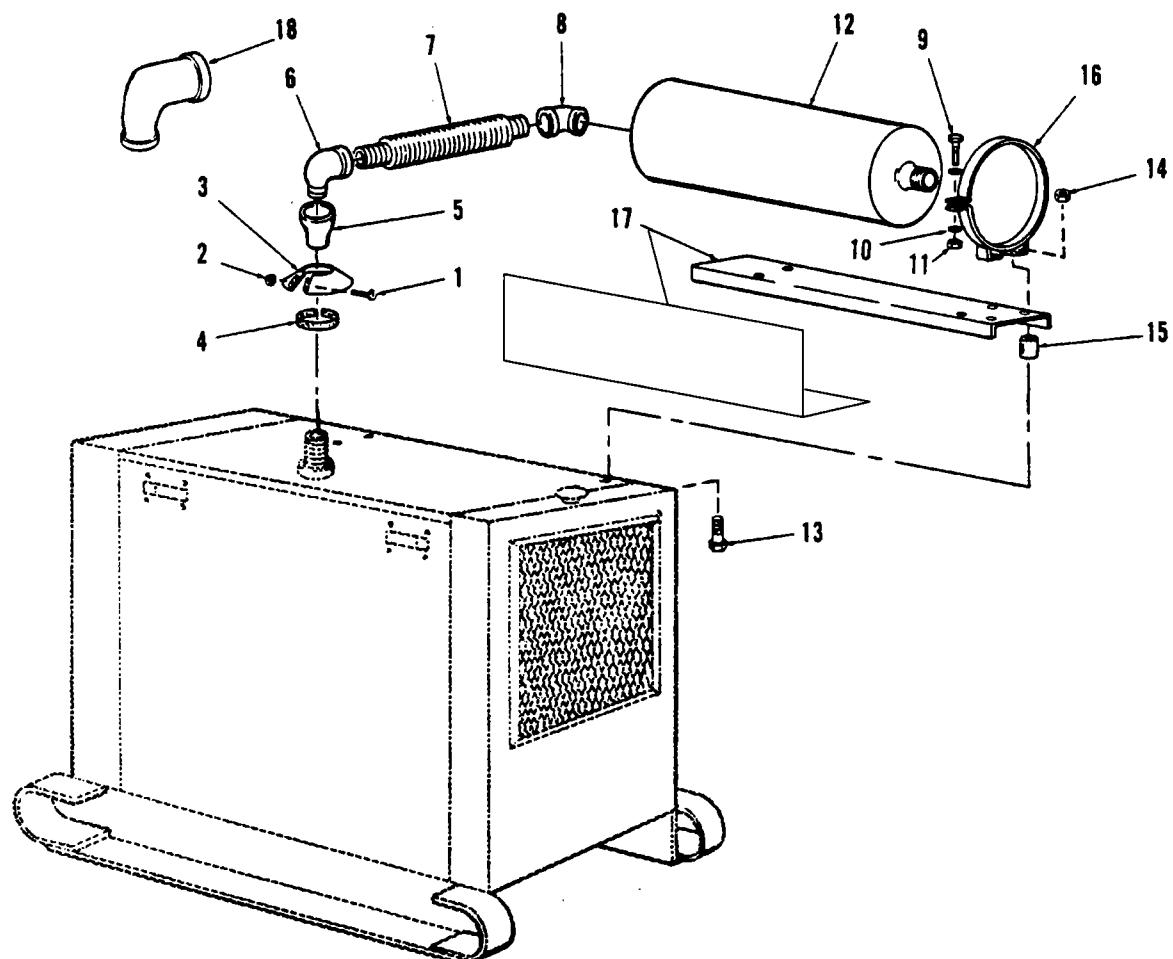
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0018	1	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8)	5	503-0183	6	Clamp, Hose
2	870-0212	1	Nut, Self-Locking – Hex Washer Head (1/4-20)	6	130-0755	1	Bracket, Mounting
3	502-0613	1	Connector, Hose	7	333-0203	1	Heater, Tank – 850 Watt, 115 Volt (Includes Hose Connector, Cord and Mounting Strap)
4	503-1552-01	2	Hose (5/8 ID x 14)	8	502-0870	1	Tee, Hose

**Engine Coolant Heater  
(Spec G)**



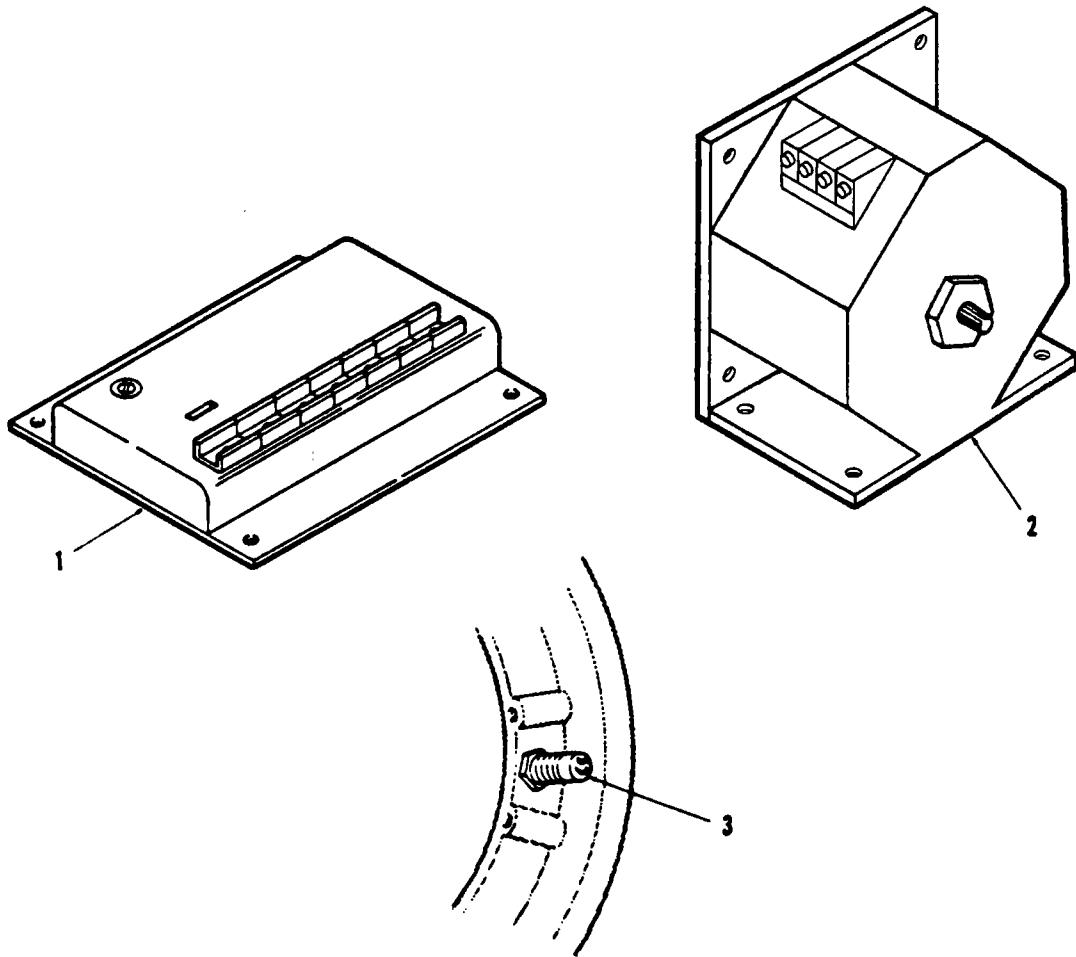
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0588-01	1	Heater, Engine Coolant	8	503-0833	1	Hose, Engine Coolant
2	333-0623	1	Bracket, Mounting – Heater Tank	9	503-1552-03	1	Hose (2.5")
3	821-6002-03	2	Screw, Hex Head (M6)	10	503-1552-01	1	Hose (10")
4	821-6003-02	1	Screw, Hex Head (M8)	11	502-0613	1	Connector, Hose (1/4)
5	860-2008	1	Nut, Hex (M8)	12	502-0870	1	Tee
6	526-0399-16	1	Washer, Flat	13	503-0183	8	Clamp, Hose
7	503-0261	1	Hose (8.5")				

## Muffler



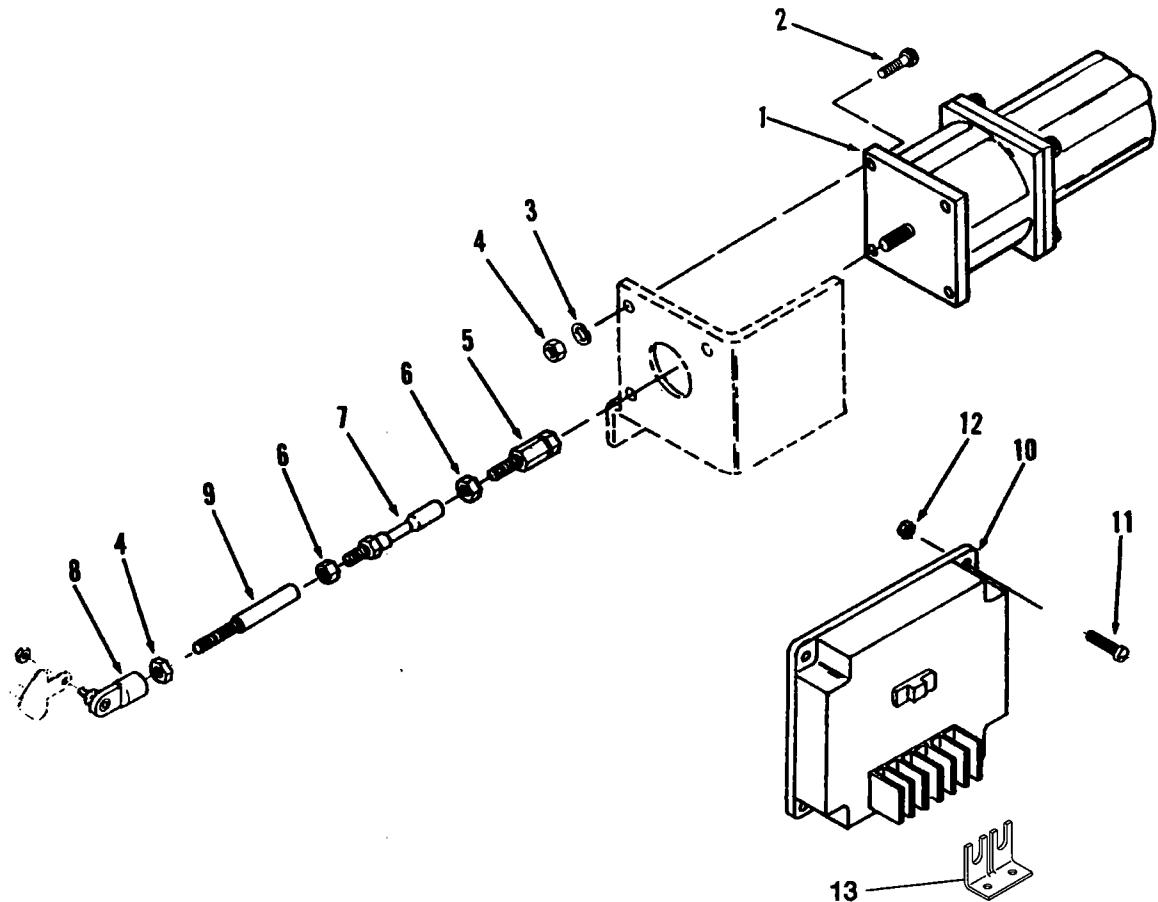
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	813-0105	2	Screw, Machine – Round Head (#10-32 x 1)	10	526-0113	4	Washer, Flat (11/32 ID x 1 OD x 3/32 THK)
2	870-0188	2	Nut, Self-Locking – Hex Washer Head (#10-32)	11	870-0257	2	Nut, Self-Locking – Hex Washer Head (5/16-18)
3	155-2005	1	Shield, Rain	12	155-0360	1	Muffler, Exhaust
4	895-0157	1	Strip, Asbestos (2 x 8-1/2 x 1/16)	13	800-0023	4	Screw, Cap – Hex Head (5/16-18 x 1-1/2)
5	505-0036	1	Coupling, Pipe – Reducing (1-1/2 NPT x 1-1/4 NPT) Used through 1981	14	870-0257	4	Nut, Self-Locking – Hex Washer Head (5/16-18)
6	505-0462	1	Elbow, Pipe – Street – 90 deg. (1-1/2 NPT) Used through 1981	15	155-1926	4	Spacer, Sleeve
7	155-0927	1	Tube, Exhaust – Flexible (1-1/2 NPT x 13-1/2)	16	140-0078	2	Band, Mounting
8	505-0043	1	Elbow, Pipe – 90 deg. (1-1/2 NPT)	17	155-1924	1	Shield, Heat Spec A-F
9	800-0033	2	Screw, Cap – Hex Head (5/16-18 x 2)		155-3018	1	Spec G
				18	505-0183	1	Elbow, Pipe – Reducing (1-1/2 NPT x 1-1/4 NPT) Begin 1982

**Governor  
(Spec A-D)**



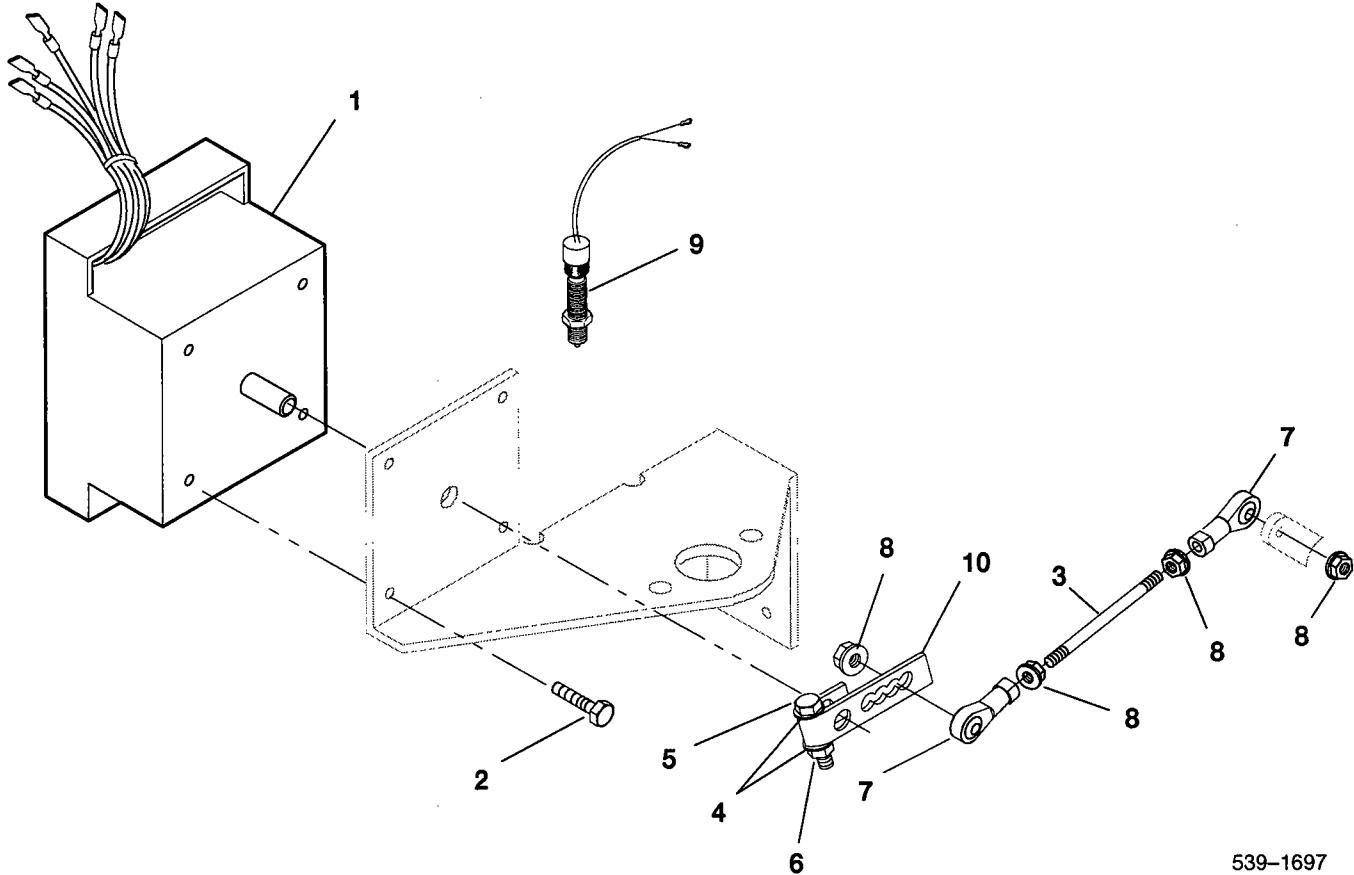
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0565	1	Control Unit - Governor (12 VDC)	3	150-1406	1	Pickup, Magnetic (E6)
2	151-0566	1	Actuator, Governor (12 VDC)				

**Governor  
(Spec E-F)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2331	1	Actuator, Linear	8	150-0939	1	Joint, Ball
2	813-0103	3	Screw, Machine – Round Head (#10-32 x 3/4)	9	151-0714	1	Rod, Governor
3	850-0030	3	Washer, Lock (#10)	10	151-0713-01	1	Control, Governor
4	870-0053	4	Nut, Hex (#10-32)	11	813-0100	4	Screw, Machine – Round Head (#10-32 x 1/2)
5	150-2314	1	Adapter, Governor Linkage	12	870-0131	4	Nut, Hex W/ET
6	115-0025	2	Nut, Tappet	13	332-2605	1	Jumper
7	150-1733	1	Joint, Ball				

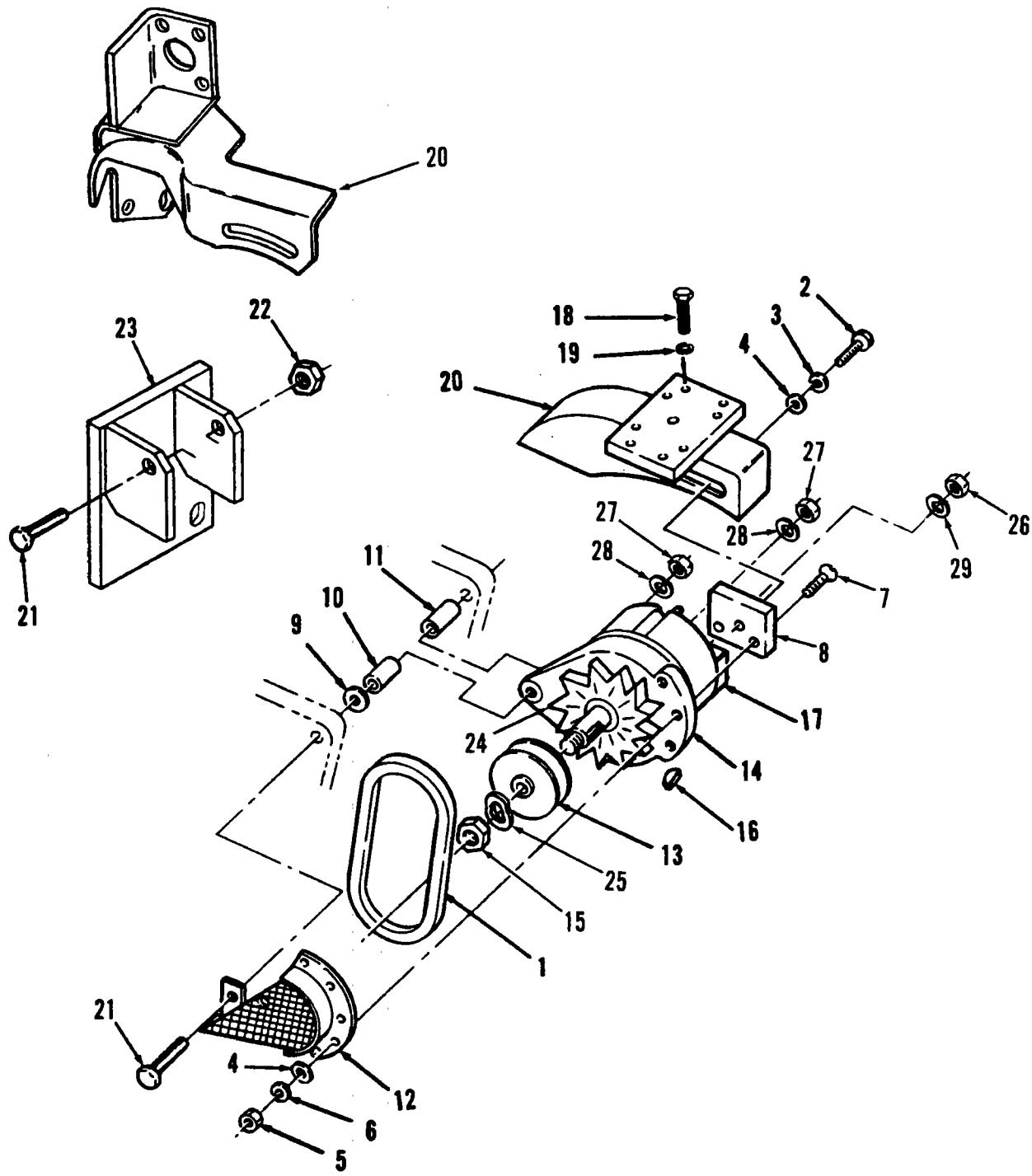
**Governor  
(Spec G)**



539-1697

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2646	1	Governor (Includes Lever)				(1/4-20 x 1-1/4)
2	801-0003	4	Screw, Cap - Hex Head (1/4-28 x 1)	6	870-0065	1	Nut, Self-Locking (1/4-20)
3	150-2666	1	Rod, Governor	7	150-0939	2	Joint, Ball
4	526-0018	2	Washer, Flat (1/4)	8	870-0131	4	Nut, SEMS - W/ET (#10-32)
5	800-0008	1	Screw, Cap - Hex Head	9	150-2651	1	Pickup, Magnetic
				10	150-2620	1	Lever, Governor

## Alternator

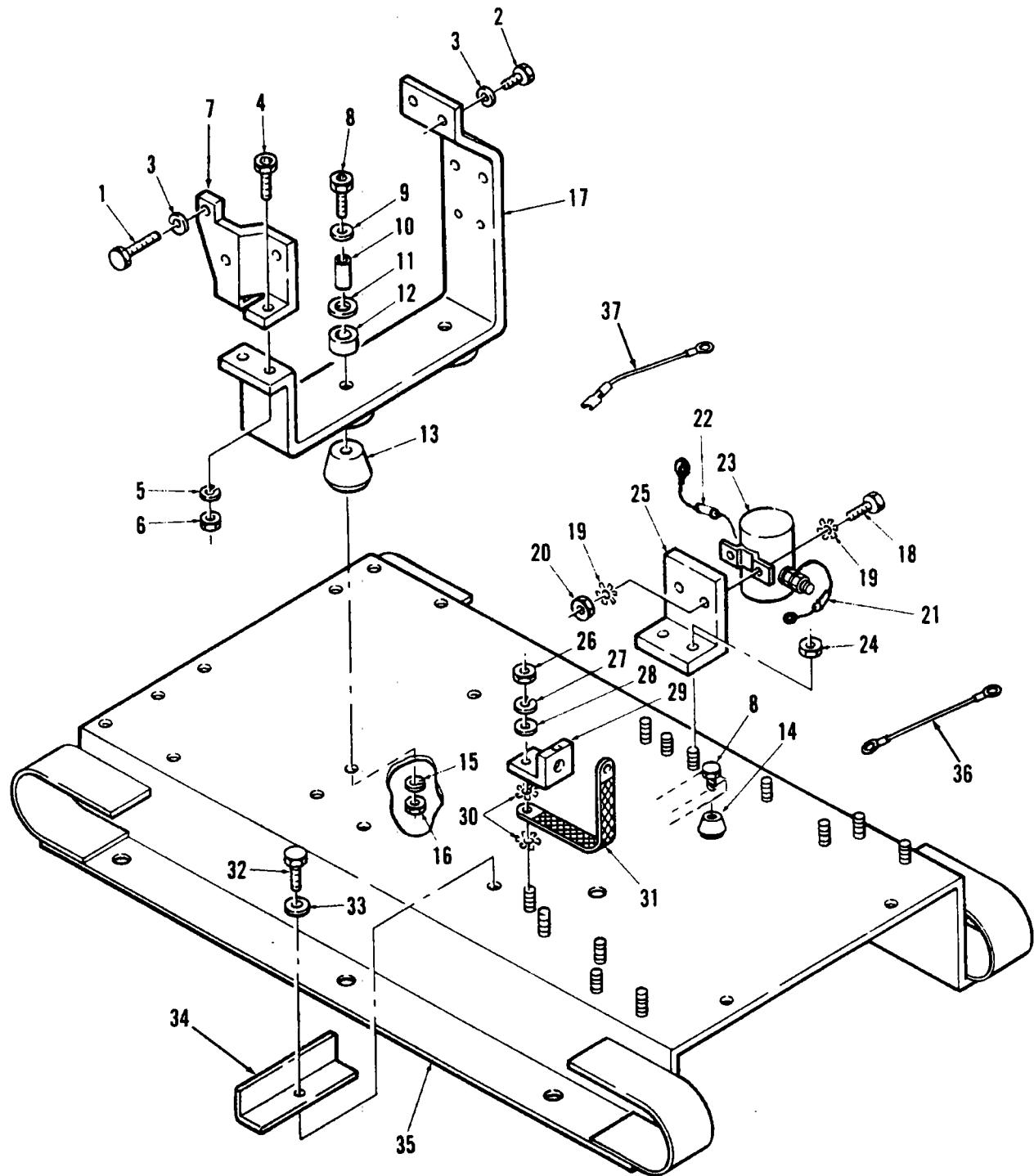


## Alternator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	511-0112	1	Belt, Drive	15			Nut, Hex
2	800-0048	1	Screw, Cap – Hex Head (3/8-16 x 3/4)	191-0941		1	* Spec A, B and begin Spec D (5/16-18)
3	850-0050	1	Washer, Lock – Spring (3/8)	870-2161		1	Spec C (M16)
4			Washer, Flat	16	515-0093	1	*Key, Woodruff (#5)
	526-0030	1	Spec A, B and begin Spec D (3/8)	17	191-1390	1	*Regulator, Voltage
	526-0113	3	Spec C (5/16)	18	130-1808	3	Screw, Cap – Hex Head (M8 x 1-1/4 x 25MM)
5			Nut, Hex	19	850-2008	3	Washer, Lock – Spring (M8)
	870-0151	2	Spec A, B and begin Spec D (5/16-18)	20			Arm, Adjusting – With Governor
	870-2055	2	Spec C (Flange Locking) (M8 x 1-1/4)	191-1368		1	Mounting Plate
6	850-0045	2	Washer, Lock – Spring Spec A, B and begin Spec D (5/16)	191-2090		1	Spec A, B, D
7			Screw	21	191-1373	1	Spec E
	814-1181	2	Spec A, B and begin Spec D (Flat Head Machine) (5/16-18 x 1-1/4)	800-2097		1	Screw, Cap – Hex Head
	800-2063	1	Spec C – Hex Head Cap (M8 x 1-1/4 x 50)	22	870-2056	1	Spec A, B and begin Spec D (7/16-14 x 4-1/4)
8	191-1375	1	Spacer, Alternator	23	191-2041	1	Spec C (M10 x 1-1/2 x 80)
9	526-0032	1	Washer, Flat (7/16)	24	191-1981	1	Nut, Hex (M10 x 1-1/2) (Spec C)
10			Spacer, Bracket – Alternator	25	851-0039	1	Bracket, Mounting (Spec C)
	191-0571	1	Spec A-B	26	860-2008	1	Fan
	130-0988	1	Begin Spec C	27	860-2006	2	Washer, Spring (Spec C)
11	191-0716	1	Spacer, Sleeve	28	850-2005	2	Nut, Hex (M8) (Spec C)
12			Guard, Belt	29	850-2008	5	Nut, Hex (M5) (Spec C)
	191-1361-01	1	Spec A, B and begin Spec D				Washer, Lock – Spring (M5)
	191-2055	1	Spec C				(Spec C)
13			Pulley, Alternator				Washer, Lock – Spring (M8)
	191-1387	1	Spec A, B and begin Spec D				(Spec C)
	191-2032	1	Spec C				
14			Alternator 12 VDC				
	191-1873	1	Spec A-B (Includes Parts Marked *)				
	191-1983-01	1	Spec C				
	191-1872	1	Spec D-F (Includes Parts Marked *)				
	191-2188	1	Begin Spec G				

\* – Parts included with Spec A, B, D Alternator.

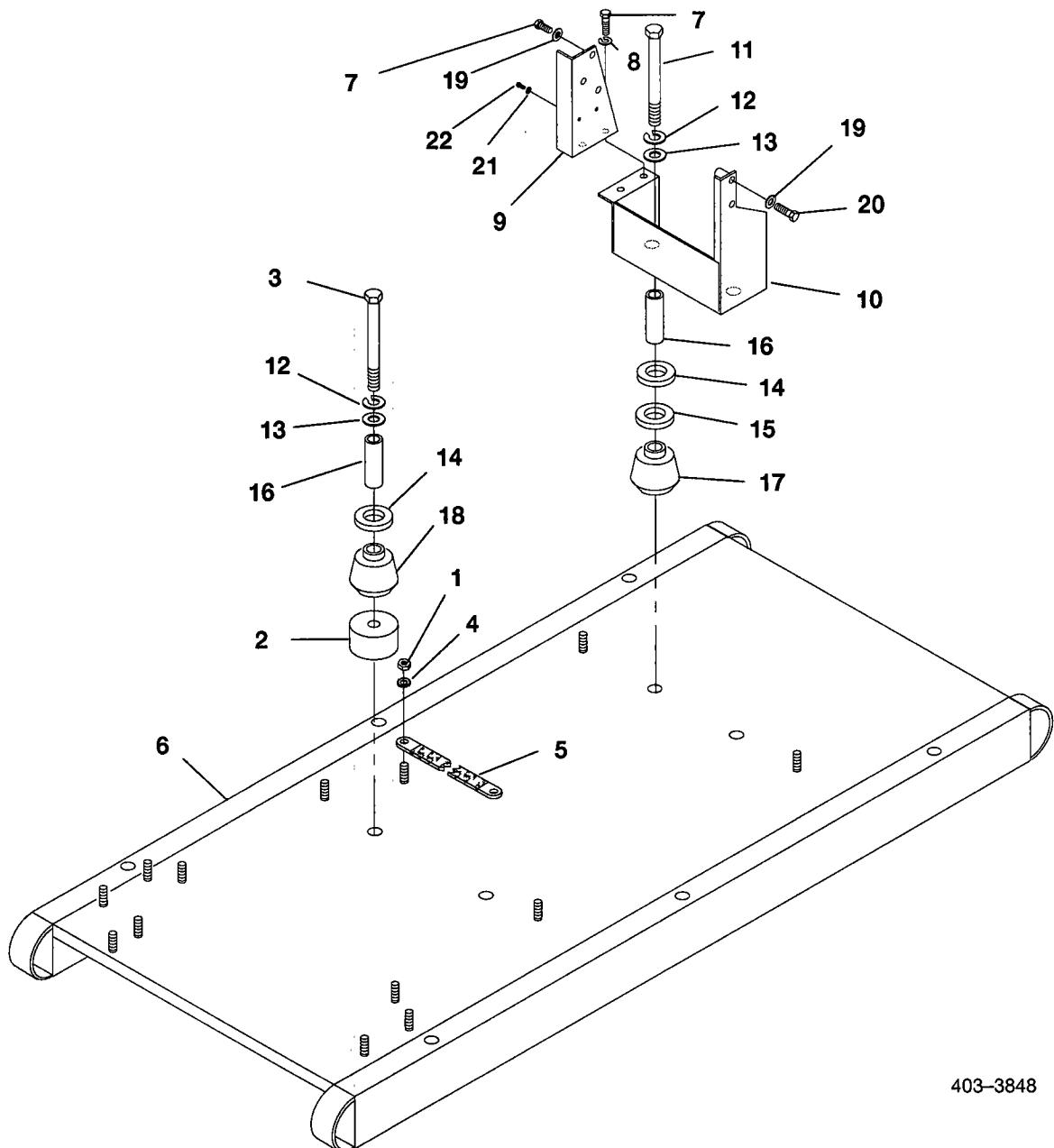
**Skid  
(Spec A-F)**



**Skid**  
**(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-2093	1	Screw, Machine – Hex Head (M10 x 1-1/2 x 60MM)	21	357-0018	1	Diode (Includes leads and terminals)
2	800-2086	6	Screw, Machine – Hex Head (M10 x 1-1/2 x 25MM)	22	357-0026	1	Diode (Includes leads and terminals)
3	850-2010	7	Washer, Lock – Spring (M10)	23	307-1617	1	Relay, Solenoid – Start – 12 VDC (K1)
4	800-0050	2	Screw, Cap – Hex Head (3/8-16 x 1)	24	870-0251	2	Nut, Self-Locking – Hex Washer Head (5/16-18)
5	850-0050	2	Washer, Lock – Spring (3/8) Spec A-E	25	403-1796	1	Bracket, Mounting – Solenoid Nut, Hex (5/16-18)
6			Nut, Hex (3/8-16) Spec A-E	26	870-0257	1	Washer, Lock – Spring (5/16)
	862-0003	2	Spec A-E	27	850-0045	1	Washer, Flat (21/64 ID x 9/16 OD x 1/16 THK)
	870-0281	2	Spec F (Self-Locking)	28	526-0022	1	Lug, Terminal
7	403-1832	1	Bracket, Mounting – Engine	29	332-1473	1	Washer, Lock – EIT (5/16)
8	800-0081	4	Screw, Cap – Hex Head (7/16-14 x 3-1/2)	30			Spec A-E
9	526-0014	4	Washer, Flat (29/64 ID x 1-1/2 OD x 1/8 THK)		856-0009	2	Spec F
10	402-0290	4	Bushing, Sleeve	31			Strap, Ground
11	403-1830	2	Spacer		337-0090	1	Spec A-E
12	402-0282	4	Snubber, Rubber		336-0476	1	Spec F
13			Mount, Vibration – Engine	32	800-0011	2	Screw, Cap – Hex Head (1/4-20 x 2)
	402-0284	2	Spec A-E	33	526-0015	2	Washer, Flat (9/32 ID x 9/16 OD x 1/16 THK)
	402-0285	2	Spec F				Holdown, Battery
14	402-0286	2	Mount, Vibration – Generator	34	416-0961	1	Skid
15	850-0055	4	Washer, Lock – Spring (7/16)	35	403-1787	1	Lead – Starter to Start Solenoid (12") Spec F (B1-Bat to K1-Bat)
16	862-0004	4	Nut, Hex (7/16-14)	36	226-3462-04	1	Lead – Starter to Start Solenoid (12") Spec F (B1-Bat to K1-S2)
17	403-1833	1	Bracket, Mounting – Engine	37	226-3462-05	1	
18			Screw, Cap – Hex Head				
	800-0004	2	Spec A-E (1/4-20 x 3/4)				
	821-0010	2	Spec F (1/4-20 x 1/2)				
19	853-0013	4	Washer, Lock – ET (1/4) Spec A-E				
20			Nut, Hex (1/4-20)				
	862-0001	2	Spec A-E				
	870-0212	2	Spec F				

**Skid  
(Spec G)**

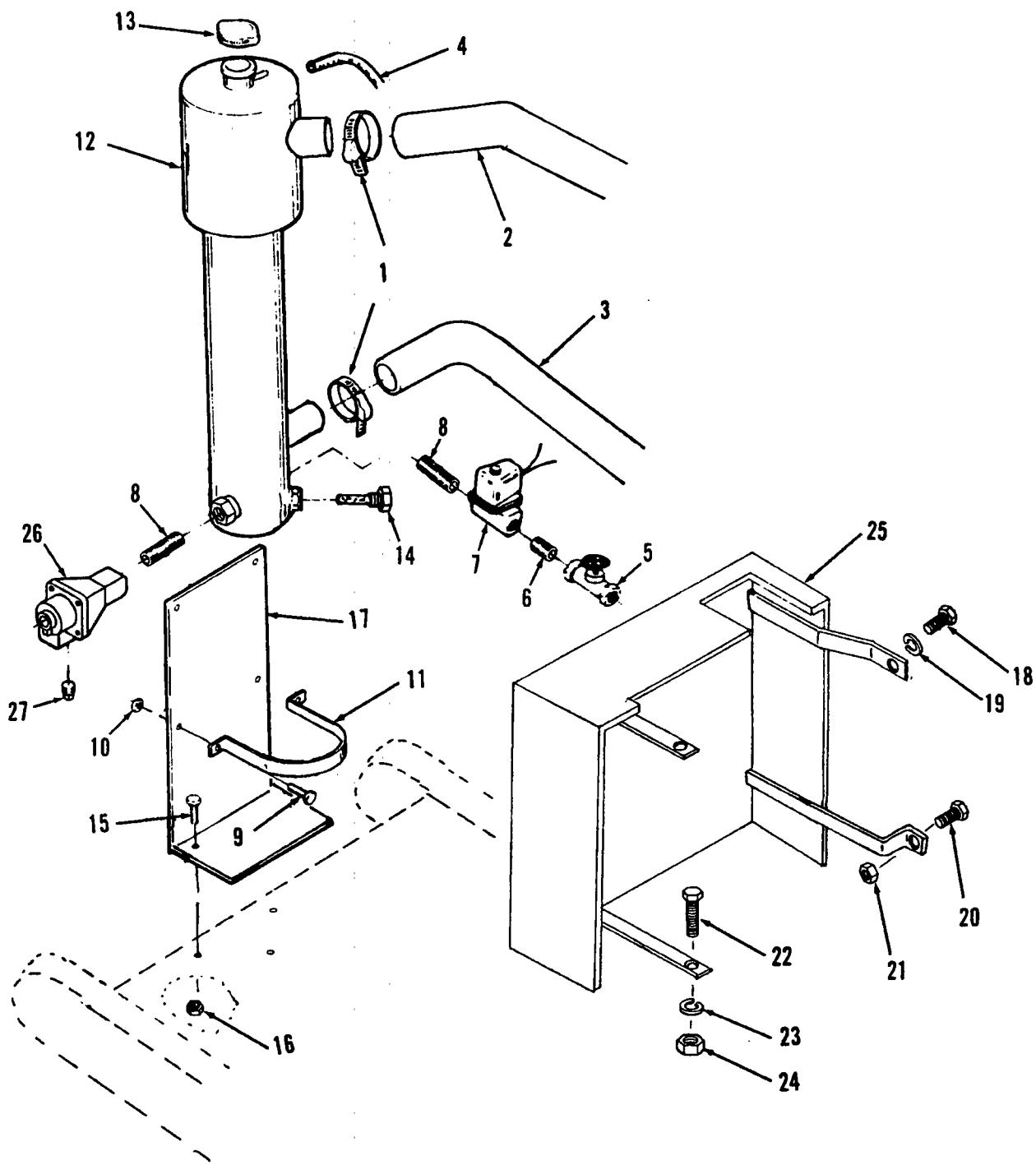


403-3848

**Skid**  
**(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0287	1	Nut, Standoff	12	850-0055	4	Washer, Lock
2	405-5327	2	Support, Engine – Rear	13	526-0014	4	Washer, Flat
3	800-0500	2	Screw, Cap – Hex Head	14	402-0282	4	Cushion, Mounting – Rubber
4	856-0009	1	Washer, Lock – EIT (5/16)	15	403-1830	2	Spacer
5	336-0476	1	Lead	16	402-0290	4	Bushing, Spacer
6	403-1787	1	Skid	17	402-0285	2	Cushion, Mounting – Vibration Isolator
7	800-2086	4	Screw, Cap – Hex Head (M10 x 25)	18	402-0286	2	Cushion, Mounting – Vibration Isolator
8	850-2010	2	Washer, Lock	19	526-0174	4	Washer, Flat
9	403-3834	1	Bracket, Mounting – Engine (RH)	20	800-2095	2	Screw, Cap – Hex Head
10	403-3836	1	Bracket, Mounting – Engine (LH)	21	526-0122	2	Washer, Flat
11	800-0081	2	Screw, Cap – Hex Head	22	800-2057	2	Screw, Cap – Hex Head (M8 x 20)

## Heat Exchanger

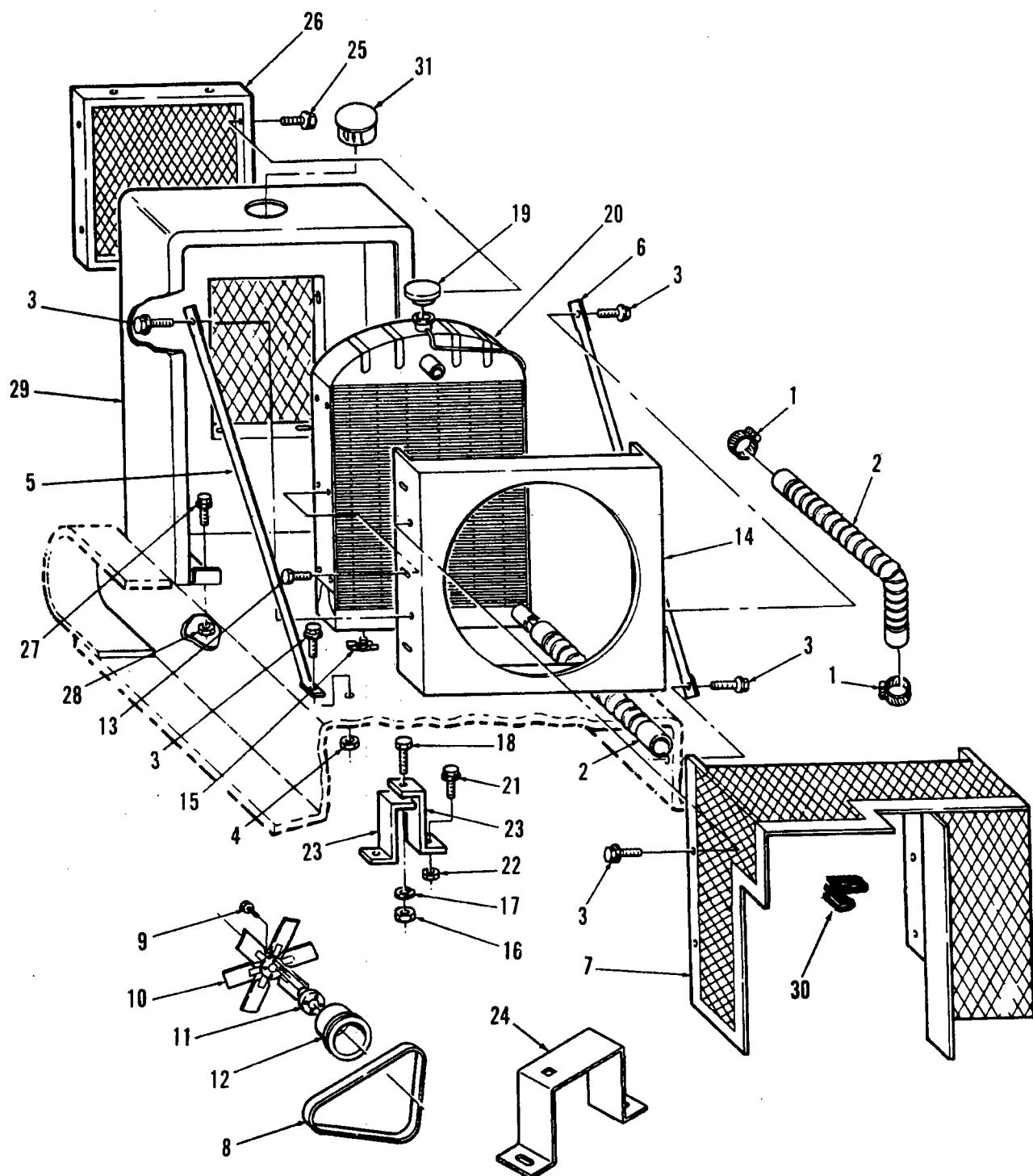


## Heat Exchanger

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Clamp, Hose	16	870-0257	3	Nut, Self-Locking – Hex Washer Head (5/16-18)
	503-0429	4	1-1/2"				Bracket, Mounting – Heat Exchanger
	503-1137	1	2"	17	130-2559	1	Screw, Cap – Hex Head (M10 x 1-1/2 x 16MM)
2	503-1058	1	Hose, Rubber – Upper	18	800-2084	1	Washer, Lock – Spring (M10)
3	503-0869	1	Hose, Rubber – Lower	19	850-2010	1	Screw, Self-Locking – Hex
4	503-0492	1	Hose, Rubber	20	821-0018	3	Washer Head (1/4-20 x 1)
5	504-0019	1	Valve, Globe (1/2 NPT)	21	870-0212	3	Nut, Self-Locking – Hex Washer Head (1/4-20)
6	505-0100	1	Nipple, Pipe – Close (1/2 NPT x 1-1/8)	22	800-0051	1	Screw, Cap – Hex Head (3/8-16 x 1-1/4)
7	307-0833	1	Valve, Solenoid – 12 VDC (1/2 NPT)	23	850-0050	1	Washer, Lock – Spring (3/8)
8	505-0002	2	Nipple, Pipe (1/2 NPT x 1-1/2)	24	862-0003	1	Nut, Hex (3/8-16)
9	821-0018	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1)	25	191-1576	1	Guard, Belt
10	870-0212	4	Nut, Self-Locking – Hex Washer Head (1/4-20)	26	309-0598	1	Valve, Saver – Water
11	130-2557	2	Band, Mounting	27	505-0013	1	Plug, Square Head
12	130-2556	1	Exchanger, Heat (Includes Parts Marked *)				
13	130-0661	1	*Cap, Heat Exchanger – 7PSI				
14	130-1341	1	*Pencil, Zinc (1/4 NPT)				
15	821-0016	3	Screw, Self-Locking – Hex Washer Head (5/16-18 x 5/8)				

\* – Parts included with 130-2556 Heat Exchanger.

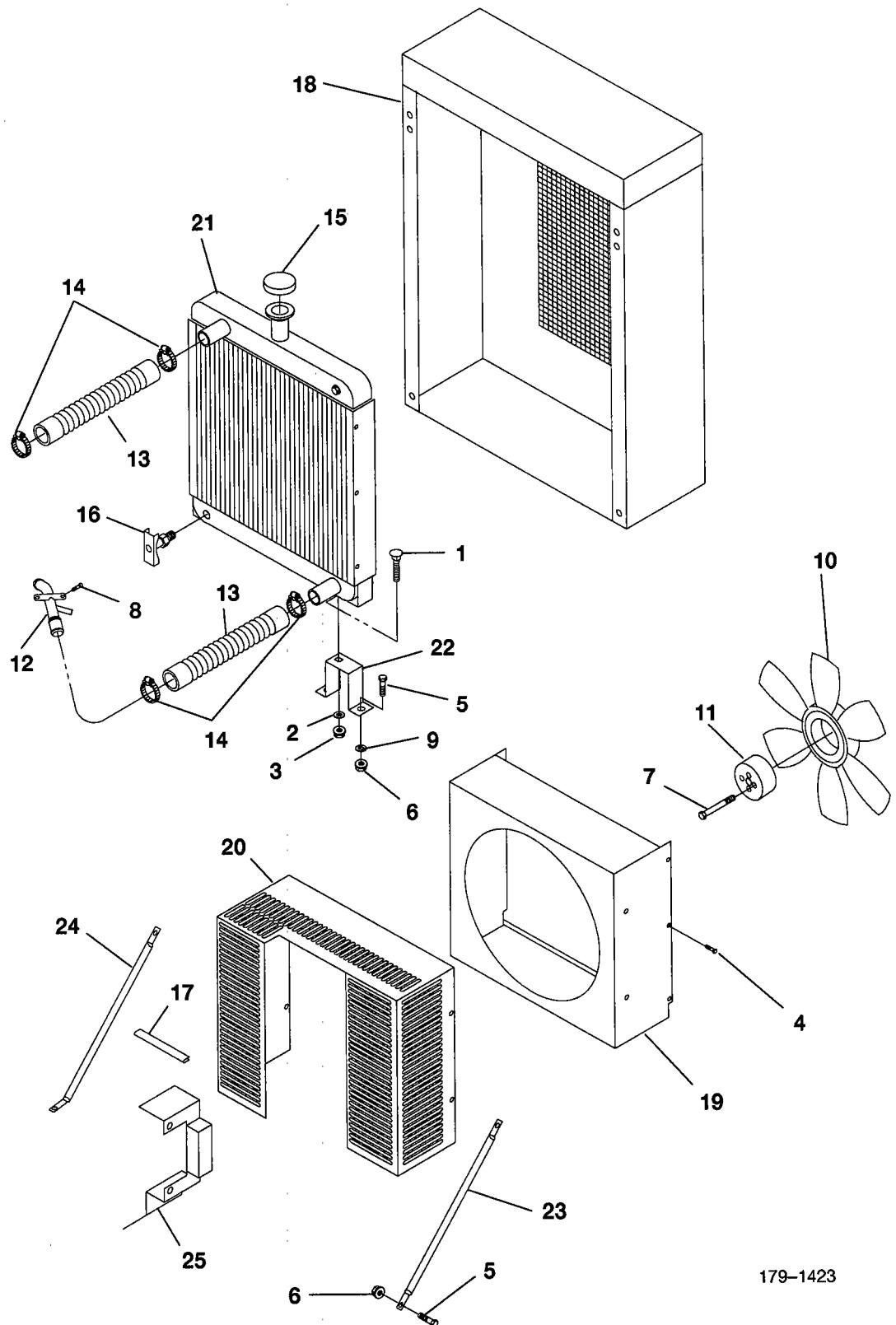
**Radiator  
(Spec A-F)**



**Radiator  
(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0429	4	Clamp, Hose	14			Shroud, Fan
2			Hose, Radiator Upper		130-1797	1	Used through October 1988
	503-1058	1	Used through October 1988 (1-1/4 ID x 1-1/2 OD x 15-1/2)		130-3553	1	Used Beginning November 1988
	503-1684	1	Use Began November 1988 (1-1/4 ID x 1-1/2 OD x 19-1/2)	15	504-0003	1	Cock, Drain (1/4 NPT)
	503-0869	1	Lower (1-1/2 ID x 20)	16	862-0003	2	Nut, Hex (3/8-16)
3	821-0014	5	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)	17	850-0050	2	Washer, Lock – Spring (3/8)
4	870-0257	1	Nut, Self-Locking – Hex Washer Head (5/16-18)	18	816-0152	2	Bolt, Carriage (3/8-16 x 2)
5	130-1798	1	Brace	19	130-1788	1	Cap, Radiator
6	130-1793	1	Brace	20			Radiator
7	130-1805	1	Guard, Fan				Used through October 1988
8	511-0112	1	Belt, Drive				Used Beginning November 1988
9			Screw, Cap – Hex Head	21	821-0014	4	Screw, Self-Locking – Hex
	800-2071	4	M8 x 1-1/4 x 80MM (Used through 1986)		130-1551	1	Washer Head (5/8-16 x 1-1/2)
	800-2072	4	M8 x 1-1/4 x 100MM (Used Beginning 1987)	22	870-0257	4	Nut, Self-Locking – Hex
10			Fan	23	130-1782	2	Washer Head (5/8-16)
	130-1806	1	Used through 1986	24	130-1783	2	Brace, Radiator (Used Through 1981)
	130-3079	1	Used Beginning 1987	25	821-0007	8	Brace, Radiator (Used Beginning 1982)
11			Spacer	26	130-2029	1	Screw, Self-Locking – Hex
	130-1792	1	Spec A	27	821-0016	4	Washer Head (5/16-18 x 3/4)
	130-2253	1	Begin Spec B	28	870-0257	4	Nut, Self-Locking – Hex
12			Pulley	29	405-2941	1	Washer Head (5/16-18)
	512-0133	1	Spec A	30	508-0210	1	Panel, Housing – Front (Used Through 1981)
	512-0154	1	Begin Spec B	31	517-0138-09	1	Edging
13			Screw, Tapping – Hex Slotted Head				Plug, Hole
	815-0181	6	#10-32 x 1/2 (Used through February 1989)				
	815-0194	6	#10-32 x 3/8 (Used beginning March 1989)				

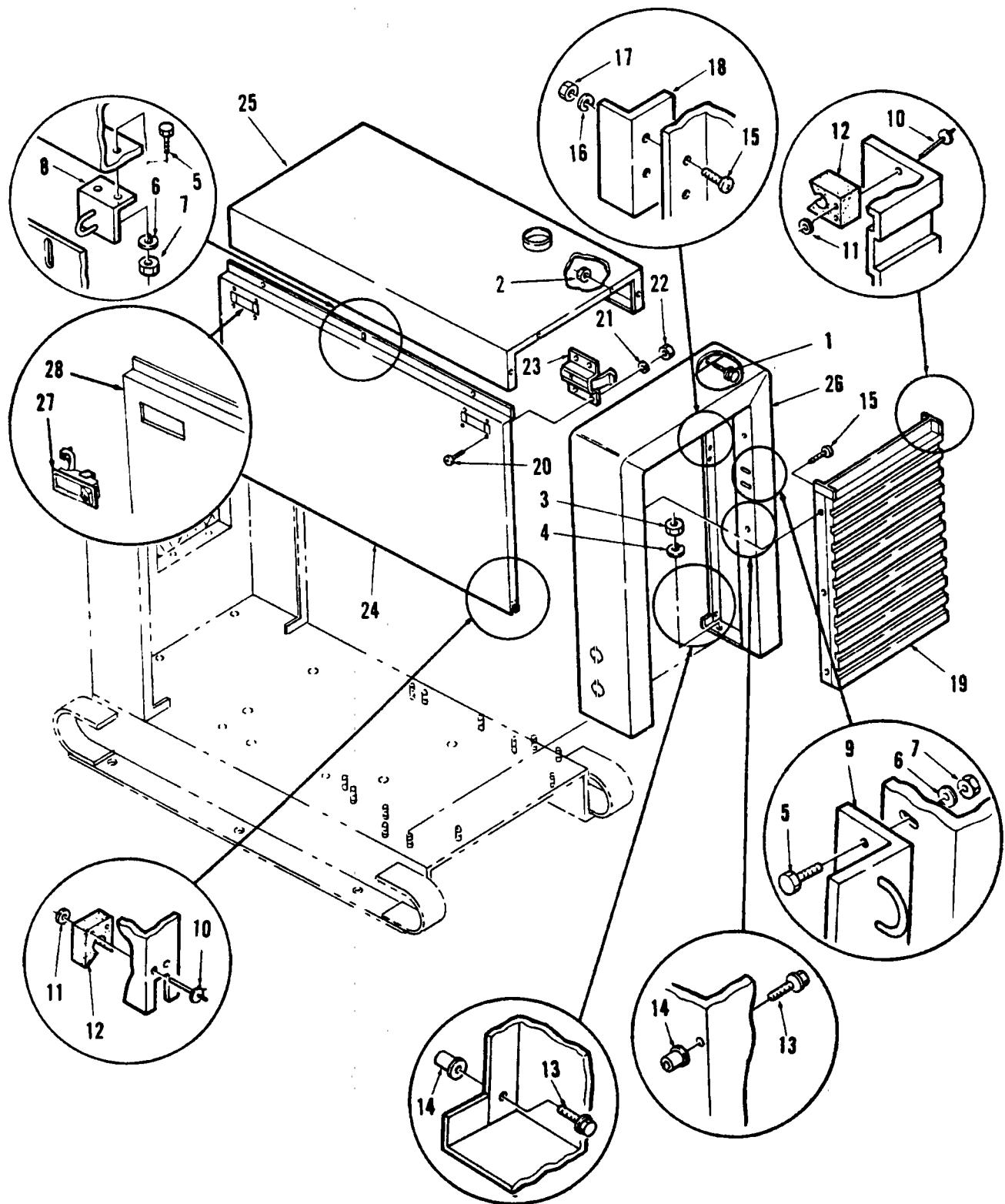
**Radiator  
(Spec G)**



**Radiator  
(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	816-0152	2	Bolt, Carriage	13	503-0869	2	Hose, Radiator
2	526-0141	2	Washer, Flat	14	503-0429	4	Clamp, Hose
3	870-0281	2	Nut, Self-Locking	15	130-1788	1	Cap, Radiator
4	815-0194	6	Screw, Thread Cutting – Hex Head	16	504-0003	1	Cock, Drain
5	821-5003-03	12	Screw, SEMS – Hex Head	17	508-0210	.5	Edging
6	870-0257	8	Nut, Self-Locking	18	405-5329	1	Housing, Front
7	800-2073	4	Screw, Cap – Hex Head (M8 x 110)	19	130-3553	1	Shroud, Fan
8	800-2034	2	Screw, Cap – Hex Head (M6 x 20)	20	130-4469	1	Guard, Belt
9	526-0174	1	Washer, Flat	21	130-3552	1	Radiator
10	130-3079	1	Fan	22	130-4448	2	Brace, Radiator
11	130-2253	1	Spacer, Fan	23	130-4446	1	Brace, Radiator
12	130-4415	1	Tube, Inlet	24	130-4447	1	Brace, Radiator
				25	191-2203	1	Guard, Belt – Alternator

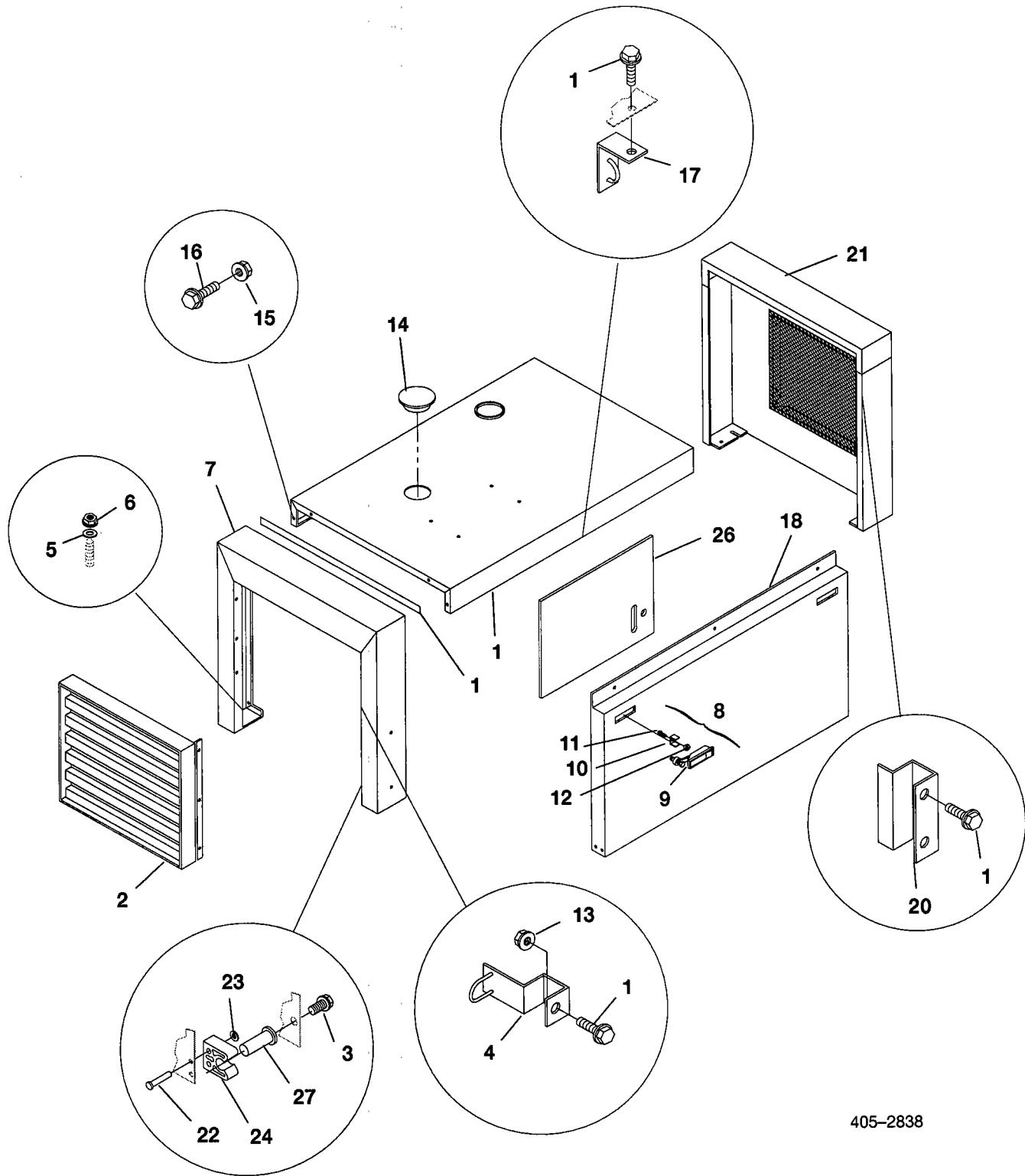
**Housing  
(Spec A-F)**



**Housing  
(Spec A-F)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0011	8	Screw, Self-Locking – Hex Washer Head (1/4-20 x 7/8)	18	406-0493	4	Catch, Door
2	870-0212	8	Nut, Self-Locking – Hex Washer Head (1/4-20)	19	405-2704	1	Cover, Control (Does NOT Include Latches and Door Clips.)
3	862-0015	4	Nut, Hex (5/16-18)	20	812-0148	16	Screw, Machine – Round Head (1/4-20 x 1/2) Through June 1984
4	850-0045	4	Washer, Lock – Spring (5/16)	21	850-0040	16	Washer, Lock – Spring (1/4) Through June 1984
5	800-0002	6	Screw, Cap – Hex Head (1/4-20 x 3/8)	22	862-0001	16	Nut, Hex (1/4-20) Through June 1984
6	850-0040	6	Washer, Lock – Spring (1/4)	23	406-0369	4	Latch, Door – Through June 1984
7	870-0212	6	Nut, Self-Locking – Hex Washer Head (1/4-20)	24	405-2804	2	Door, Housing – Through June 1984 (Does NOT Include Latches and Pivot Clips.)
8	406-0490	1	Latch, U-Bolt Type	25	405-2713	1	Panel, Housing – Top
9	406-0491	1	Latch, U-Bolt Type	26	405-2808	1	Panel, Housing – Rear
10	818-0150	12	Rivet, Pin Drive	27	406-0561	4	Latch, Door – Begin July 1984
11	526-0003	12	Washer, Flat (11/64 ID x 3/8 OD x 1/32 THK)	28	405-3362	2	Door, Housing – Begin July 1984 (Does NOT Include Latches and Pivot Clips.)
12	405-1872	6	Clip, Door – Plastic				
13	821-0009	6	Screw, Self-Locking – Hex Washer Head (1/4-20 x 3/8)				
14	870-0258	6	Nut, Weld (Door Pivot Pin)				
15	812-0098	11	Screw, Machine – Round Head (#10-24 x 3/8)				
16	850-0030	8	Washer, Lock – Spring (#10)				
17	862-0011	8	Nut, Hex (#10-24)				

**Housing  
(Spec G)**

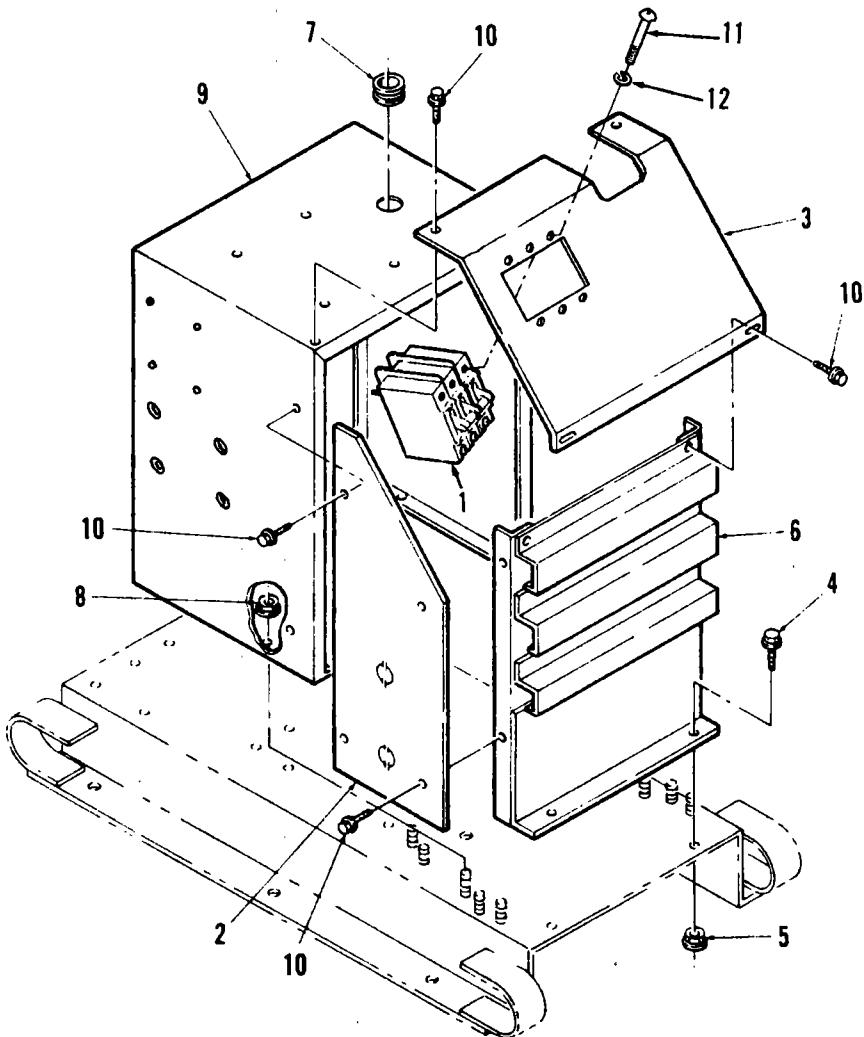


405-2838

**Housing  
(Spec G)**

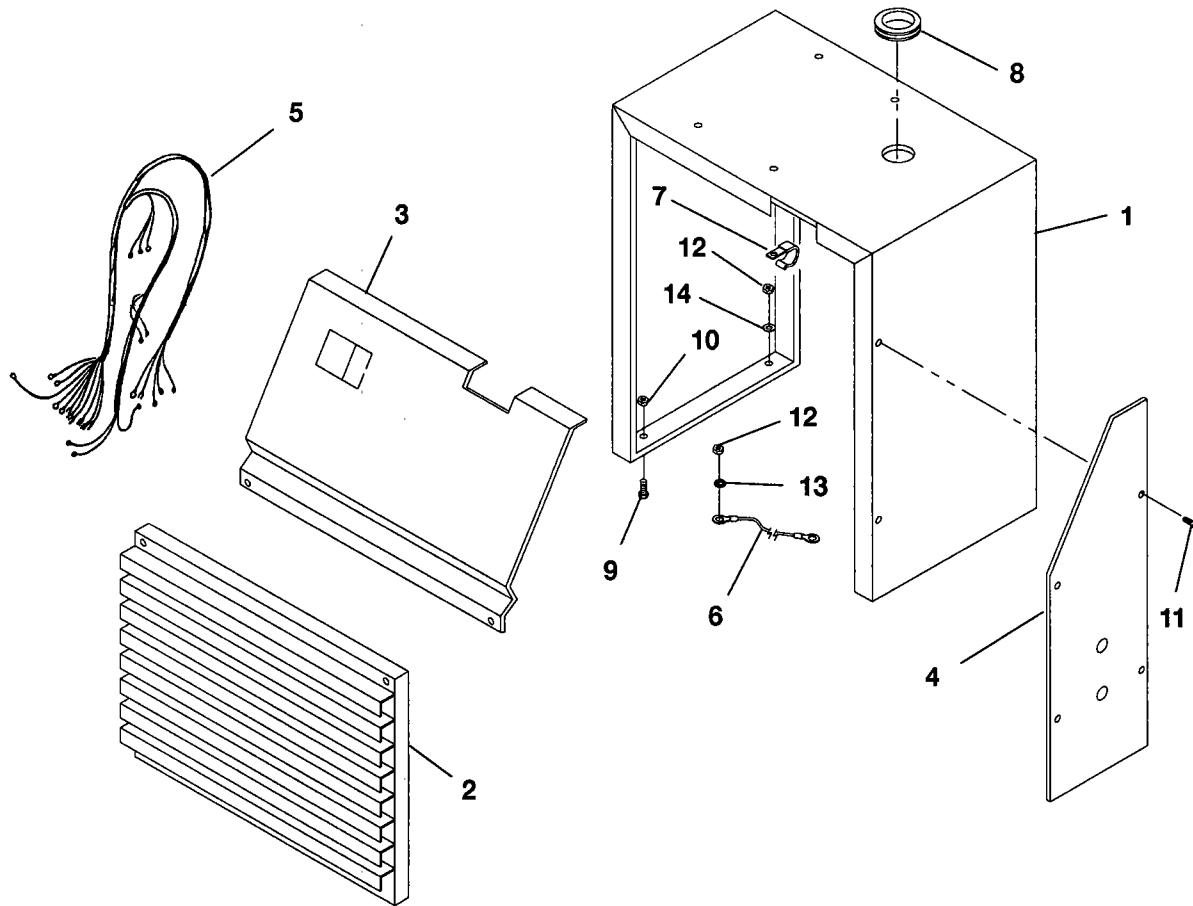
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0005	16	Screw, Self-Locking – Flange Head (#10-32 x 1/2)	13	870-0131	2	Nut, Hex – W/ET (#10-32)
2	405-2704	1	Cover, Control	14	517-0245	1	Plug
3	821-0010	6	Screw, Locking (1/4-20 x 1/2)	15	870-0212	10	Nut, Lock (1/4-20)
4	406-0491	1	Latch	16	821-0011	8	Screw, Lock (1/4-20 x 7/8)
5	526-0029	4	Washer, Flat (5/16)	17	406-0490	2	Latch
6	870-0257	4	Nut, Locking (5/16-18)	18	405-3362	2	Door, Engine
7	405-2808	1	Housing, Rear	19	405-2713	1	Panel, Top
8	406-0561	4	Latch Assembly, Door (Includes parts marked *)	20	406-0493	4	Catch, Door
9	406-0615	1	*Latch	21	405-2941	1	Housing, Front
10	406-0614	1	*Bracket	22	818-0150	12	Rivet, Drive
11	812-0084	1	*Screw, Machine – Round Head (#8-32 x 1)	23	526-0003	12	Washer, Flat
12	870-0221	1	*Nut, KEPS (#8-32)	24	405-1872	6	Clip, Door
				25	895-0195	26"	Tape, Pressure Sensitive
				26	128-0198	1	Insulation, Foam
				27	870-0258	6	Nut, Weld – Stud

**Generator Housing  
(Spec A-F)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit Two Pole, 240 Volt 70 Amp	2	405-2915	2	Plate, Housing - Side
	320-0630-01	1	100 Amp	3	405-2916	1	Panel, Housing - Top
	320-0632-01	1	Three Pole 240 Volt	4	821-0020	2	Screw, Self-Locking - Hex Washer Head (5/16-18 x 7/8)
			40 Amp	5	870-0257	2	Nut, Self-Locking - Hex Washer Head (5/16-18)
320-0646	1		60 Amp	6	405-2913	1	Grille, Housing
320-0640-01	1		70 Amp	7	508-0144	1	Grommet
320-0647-01	1		75 Amp	8	870-0257	4	Nut, Self-Locking - Hex Washer Head (5/16-18)
320-0641-01	1		80 Amp	9	405-2912	1	Wrapper, Housing
320-0700-01	1		90 Amp	10	821-0009	12	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/8)
320-0642-01	1		100 Amp				Screw, Machine - Round Head (#6-32 x 1/4)
320-0701-01	1		480 Volt	11	812-0059	6	Washer, Lock - Spring (#6)
320-0643-01	1		30 Amp	12	850-0020	6	
320-0638-01	1		40 Amp				
320-0645-01	1		50 Amp				
			600 Volt				
320-1397	1		25 Amp				
320-1398	1		30 Amp				
320-1851-11	1		60 Amp				

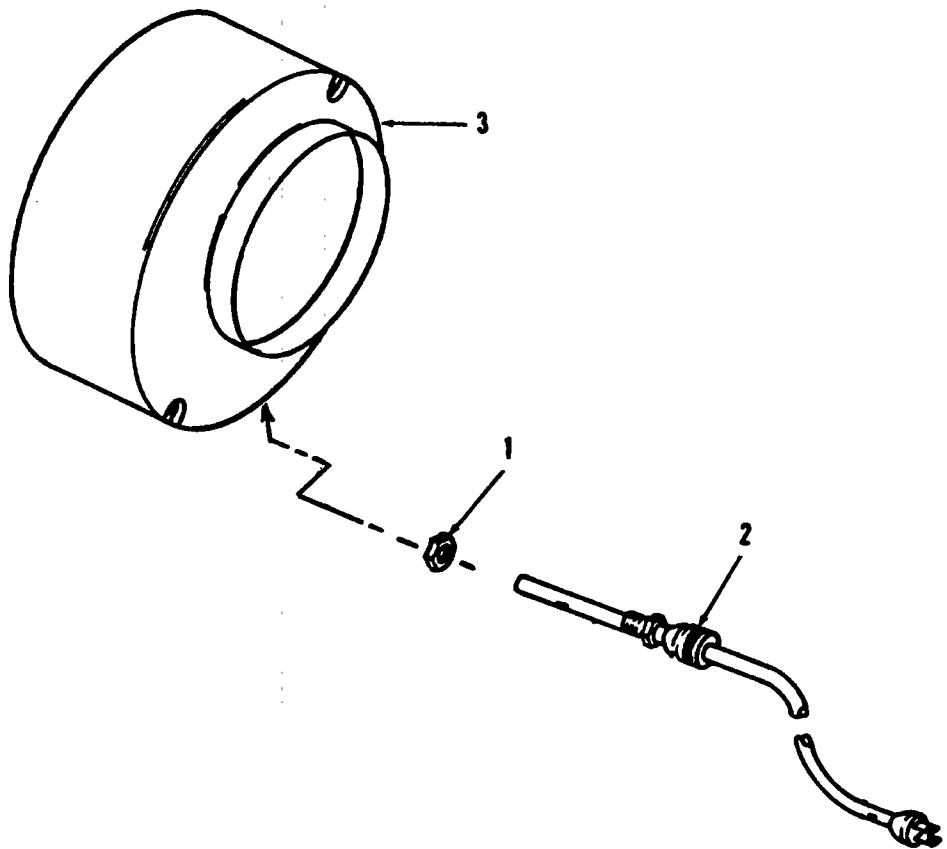
## Generator Housing (Spec G)



539-1672

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5331	1	Wrapper, Housing	9	821-5003-01	6	Screw, Hex Head - SEMS (5/16-18 x 1/2)
2	405-2913	1	Grille, Housing	10	870-0257	8	Nut, Whizlock (5/16-18)
3	405-5332	1	Panel, Top	11	821-5002-03	12	Screw, Hex Head - SEMS (1/4-20 x 1/2)
4	405-5330	2	Plate, Side	12	870-0212	1	Nut, Whizlock (1/4-20)
5	338-1731	1	Harness, Wiring - Generator (AC)	13	856-0006	1	Washer, Lock - EIT
6	226-3317	1	Lead	14	526-0029	4	Washer, Flat (5/16)
7	332-1356	1	Clamp, Loop				
8	508-0001	1	Grommet				

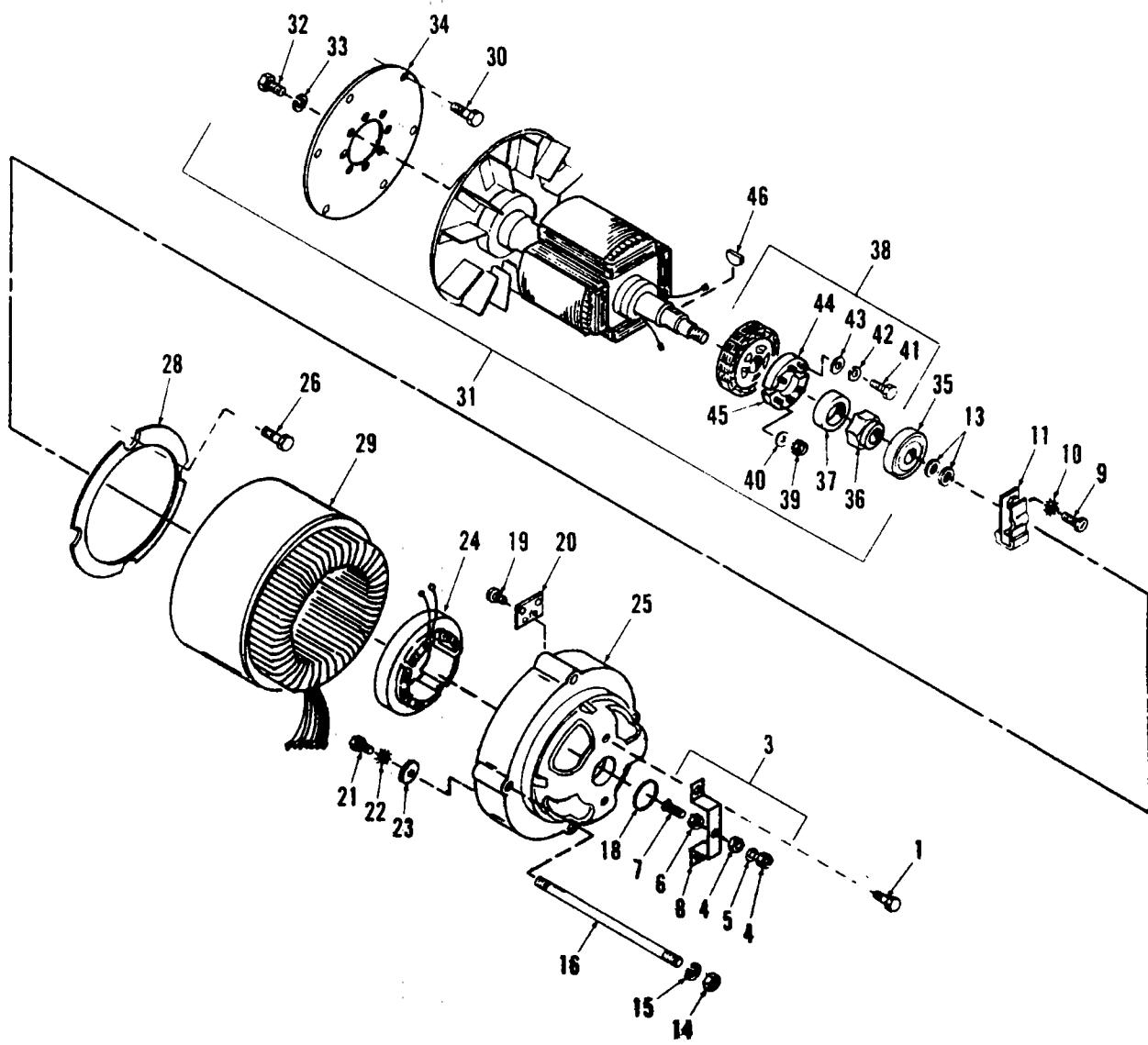
## Generator Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	331-0041	2	Nut, Hex - Special	3	234-0691	1	Cover, Bell - End
2	333-0157	1	Heater, Electrical				



## Generator

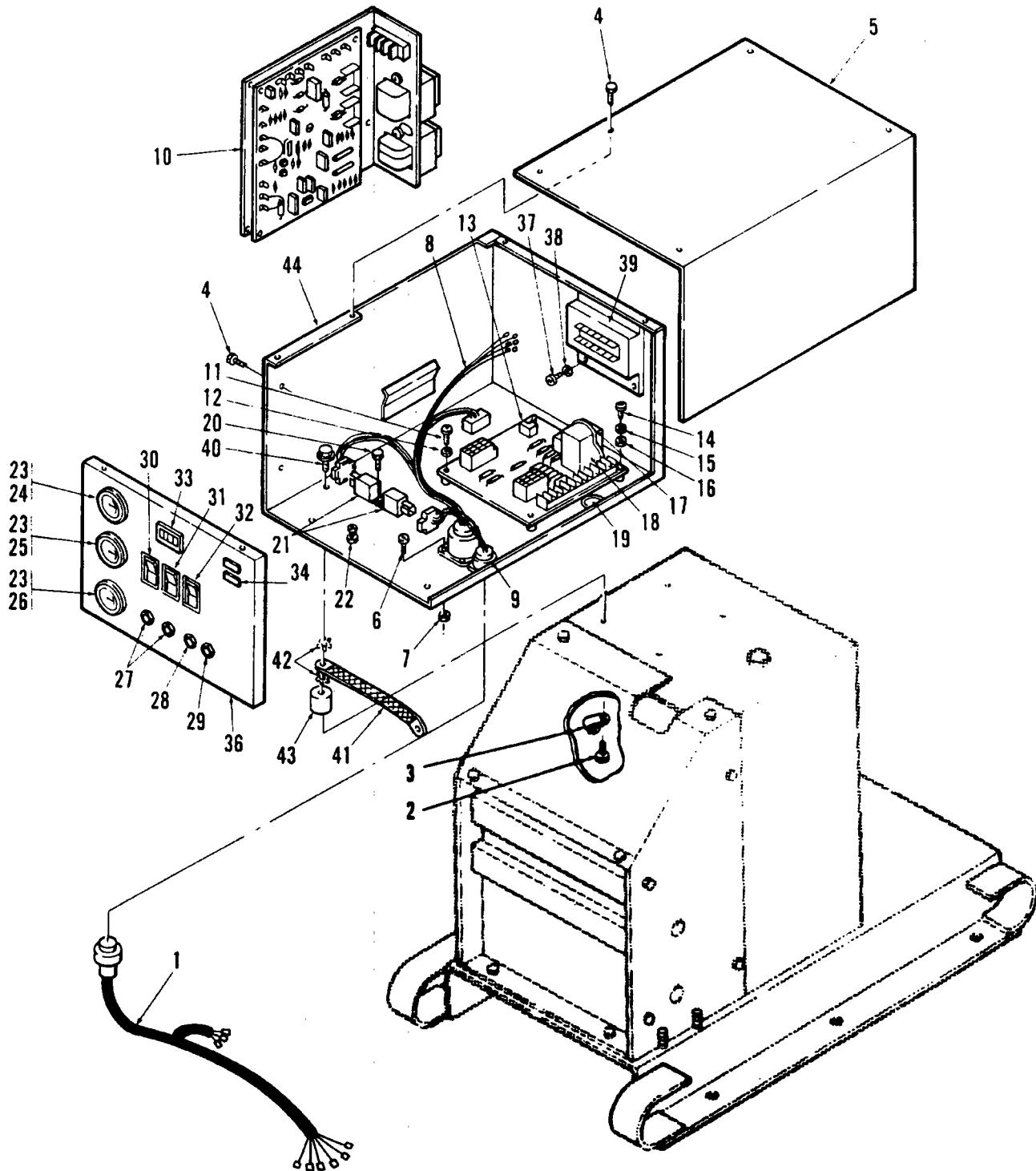


## Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0010	2	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2)	30	805-0015	6	Bolt, Hex Head – Slotted – Grade 8 (3/8-16 x 3/4)
3	150-1446	1	Point, Overspeed (Includes Parts Marked *)	31			Rotor, Generator (Includes Parts Marked +)
4	862-0001	2	*Nut, Hex (1/4-20)	201-2934		1	Standard (Voltage Codes 3, 53, 15, 515, 9XR)
5	853-0013	1	*Washer, Lock – ET (1/4)	201-3177		1	Standard Environmental Protected (Epoxy) (Voltage Codes 3, 53, 15, 515, 9XR)
6	870-0250	1	*Nut, Insulating (1/4)	201-2935		1	Extended Stack (Voltage Codes 15, 515)
7	150-0723	1	*Point, Contact	201-3178		1	Extended Stack Environmental Protected (Epoxy) (Voltage Codes 15, 515)
8	150-1445	1	*Bracket, Mounting	32	805-0015	6	+Bolt, Hex Head – Slotted Grade 8 (3/8-16 x 3/4)
9	800-0051	1	Screw, Cap – Hex Head (3/8-16 x 1-1/4)	33	526-0029	6	+Washer, Flat (25/64 ID x 7/8 OD x 1/16 THK)
10	856-0010	1	Washer, Lock – EIT (3/8)	34	232-2826	1	+Disk, Drive
11	150-2563	1	Switch, Overspeed	35	510-0112	1	+Bearing, Ball
13	526-0077	2	Washer, Flat (3/8)	36	870-0284	1	+Nut, Self-Locking – Hex (1-1/8-12)
14	862-0011	4	Nut, Hex (3/8-16)	37	232-2398	1	+Spacer, Sleeve
15	850-0050	4	Washer, Lock – Spring (3/8)	38			+Rotor, Exciter (Includes Parts Marked @)
16	520-0799	4	Stud (3/8-16 x 11-1/8)	201-2151		1	Standard
18	509-0094	1	Seal, O-Ring	201-2299		1	Environmental Protected (Epoxy)
19	815-0194	2	Screw, Tapping – Hex Head W/ET (#10-32 x 3/8)	39	870-0131	6	@Nut, Self-Locking – Hex W/ET (#10-32)
20	232-2418	1	Board, Terminal	40	526-0008	6	@Washer, Flat (13/64 ID x 7/16 OD x 1/32 THK)
21	800-0004	2	Screw, Cap – Hex head (1/4-20 x 5/8)	41	813-0100	4	@Screw, Machine – Round Head (#10-32 x 1/2)
22	853-0013	2	Washer, Lock – ET (1/4)	42	853-0008	4	@Washer, Lock – ET (#10)
23	526-0260	2	Washer, Flat (9/32 ID x 101/4 OD x 9/64 THK)	43	526-0008	4	@Washer, Flat (13/64 ID x 7/16 OD x 1/32 THK)
24			Stator, Exciter	44	358-0069	1	@Rectifier, Positive
	220-2009	1	Standard	45	358-0070	1	@Rectifier, Negative
	220-2308	1	Environmental Protected (Epoxy)	46	515-0094	1	+Key, Woodruff
25	211-0256	1	Bell, End – Generator				
26	821-0010	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2)				
28	234-0519	1	Baffle, Air				
29			Stator, Generator				
	220-3691	1	Single Phase (Voltage Codes 3, 53)				
	220-3652	1	Single Phase Environmental Protected (Epoxy) (Voltage Codes 3, 53)				
	220-3685	1	Three Phase (Voltage Codes 15, 515)				
	220-3946	1	Three Phase Environmental Protected (Epoxy) (Voltage Codes 15, 515)				
	220-3686	1	Three Phase Extended Stack (Voltage Codes 15, 515)				
	220-3947	1	Three Phase Extended Stack Environmental Protected (Epoxy) (Voltage Codes 15, 515)				
	220-3687	1	Three Phase (Voltage Code 9XR Only)				

\* – Parts included in 150-1446 Overspeed Point  
 + – Parts included in Generator Rotor  
 @ – Parts included in Exciter Rotor

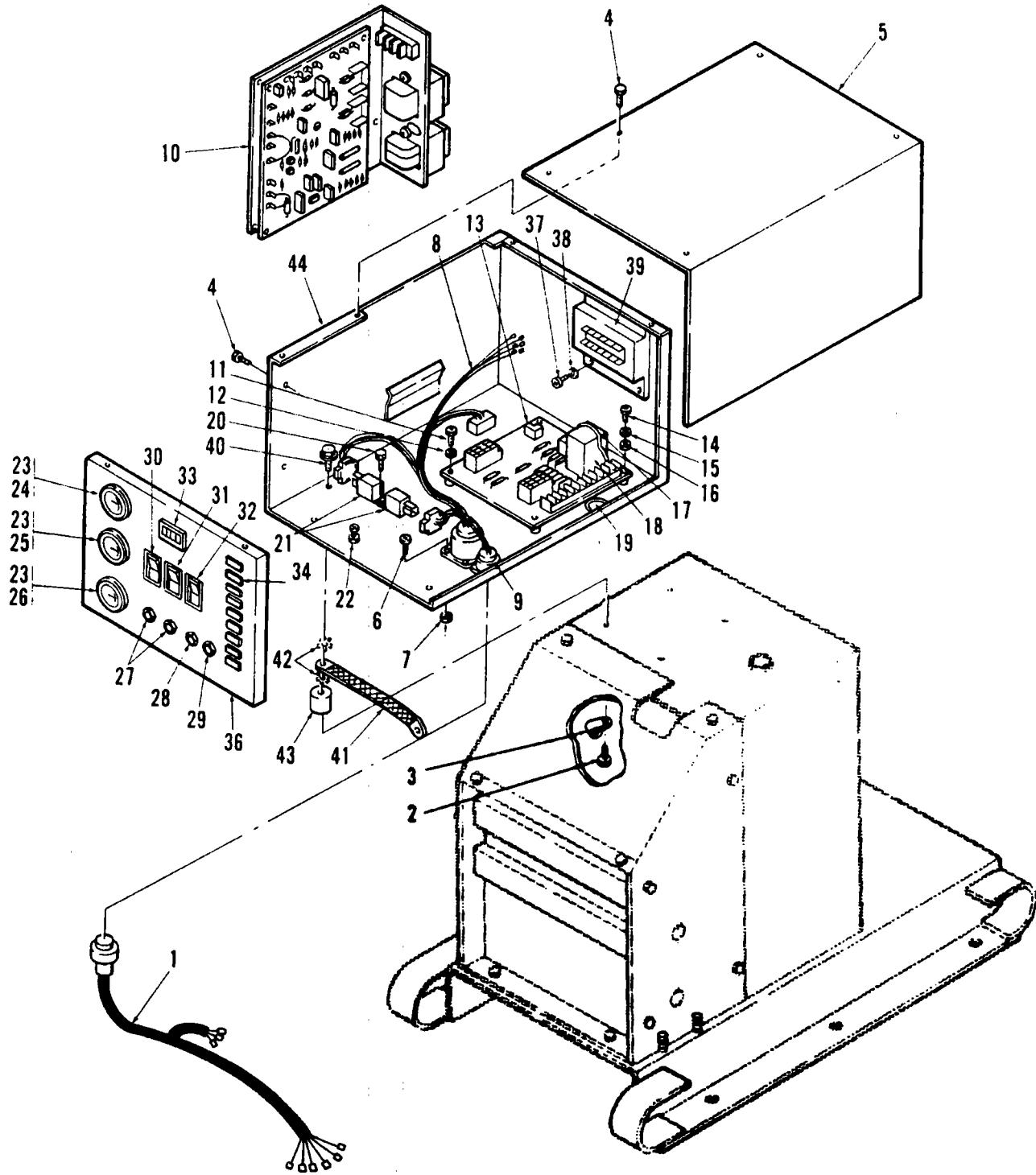
## **Set Control Single Fault Light (Spec A)**



**Set Control  
Single Fault Light  
(Spec A)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-1578	1	Harness, Wiring – Control to Generator	23	322-0308	3	Lamp, Incandescent (DS10, DS11, DS12)
2	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)	24	193-0319	1	Gauge, Temperature – Water (M3)
3	332-1356	1	Clamp, Loop	25	193-0320	1	Gauge, Pressure – Oil (M2)
4	821-0004	9	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)	26	302-1402	1	Ammeter – DC (M1)
5	301-5150	1	Cover, Control	27	320-0530	2	Breaker, Circuit – 5 Amp 120/250 VAC (CB1, CB2)
6	812-0063	8	Screw, Machine – Round Head (#6-32 x 1/2)	28	320-0540	1	Breaker, Circuit – 15 Amp 120/250 VAC (CB13)
7	870-0183	8	Nut, Hex W/ET (#6-32)	29	320-0505	1	Breaker, Circuit – 3 Amp 120/250 VAC (CB21)
8	338-1506	1	Harness, Wiring – Control – DC	30	308-0531	1	Switch, Push – SPDT (S10)
9	338-1459	1	Harness, Wiring – Control – AC	31	301-6257	1	Switch, Push or Switch Blank
10			Regulator Assembly – Voltage (VRA21) (See separate page for Components)	308-0624	1	Blank	
	305-0583	1	Standard	32	308-0532	1	SPDT – Used on Dual Fuel Systems (S11)
	305-0705	1	Switching	33	302-0885	1	Switch, Push – SPST (S12)
11	812-0061	4	Screw, Machine – Round Head (#6-32 x 3/8)	34	322-0238	1	Meter, Time Totalizing (M4)
12	850-0020	4	Washer, Lock – Spring (#6)	35	322-0128	1	Light, Indicator – 14 VDC
13	300-2510	1	Monitor, Engine (A11) (Includes Parts Marked *)	36	301-6582	1	Green – Run (DS2)
14	812-0061	2	Screw, Machine – Round Head (#6-32 x 3/8)	37	815-0027	4	Red – Fault (DS1)
15	854-0006	2	Washer, Lock – IT (#6)	38	856-0003	4	Panel, Control
16	860-0006	2	Nut, Hex (#6-32)	39	151-0565	1	Screw, Machine – Truss Head (#10-32 x 1/2)
17	307-1157	1	*Spring, Holdown – Relay	40	821-0014	4	Washer, Lock – EIT (#10)
18	307-1687	1	*Relay (A11K1)	41	337-0049	1	Control Unit – Governor – 12 VDC (A12)
19	508-0144	1	Grommet	42	856-0008	2	Screw, Self Locking – Hex Washer Head (5/16-18 x 1/2)
20	821-0004	1	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)	43	402-0078	4	Strap, Ground
21	307-1886	2	Relay (K4, K11)	44	301-6230	1	Washer, Lock – EIT (5/16)
22			Terminal, Ground (Includes Parts Marked #)				Dampener, Vibration Box, Control
	815-0105	1	# Screw, Machine – Round Head – Brass (#10-32 x 1)				
	871-0010	2	# Nut, Hex – Brass (#10-32)				
	851-0001	1	# Washer, Lock – Spring – Brass (#10)				
	856-0003	2	# Washer, Lock – EIT (#10)				* – Parts included in Engine Monitor Assembly
	526-0062	2	# Washer, Flat – Brass (#10)				# – Parts included in Ground Terminal Assembly

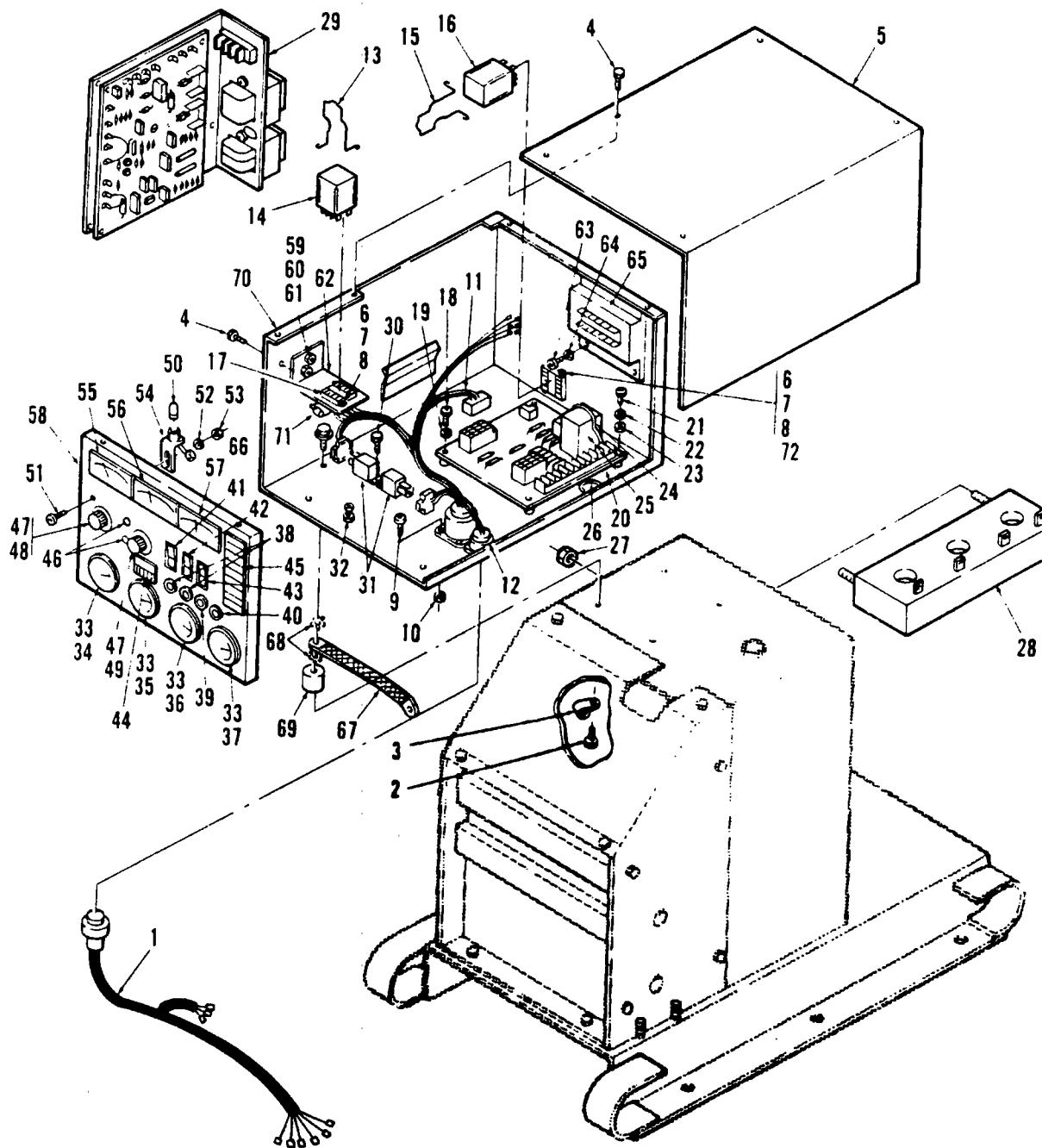
**Set Control  
Multi Fault Light  
(Spec A)**



**Set Control  
Multi Fault Light  
(Spec A)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-1578	1	Harness, Wiring – Control to Generator	25	193-0320	1	Gauge, Pressure – Oil (M2)
2	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)	26	302-1402	1	Ammeter – DC (M1)
3	332-1356	1	Clamp, Loop	27	320-0530	2	Breaker, Circuit – 5 Amp 120/250 VAC (CB1, CB2)
4	821-0004	9	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)	28	320-0540	1	Breaker, Circuit – 15 Amp 120/250 VAC (CB13)
5	301-5150	1	Cover, Control	29	320-0505	1	Breaker, Circuit – 3 Amp 120/250 VAC (CB21)
6	812-0063	8	Screw, Machine – Round Head (#6-32 x 1/2)	30	308-0531	1	Switch, Push – SPDT (S10)
7	870-0183	8	Nut, Hex W/ET (#6-32)	31	301-6257	1	Switch, Push or Switch Blank
8	338-1448	1	Harness, Wiring – Control – DC	32	308-0624	1	Blank
9	338-1459	1	Harness, Wiring – Control – AC	33	302-0885	1	SPDT – Used on Dual Fuel Systems (S11)
10			Regulator Assembly – Voltage (VRA21) (See separate page for Components)	34	308-0532	1	Switch, Push – SPST (S12)
	305-0583	1	Standard		322-0238	1	Meter, Time Totalizing (M4)
	305-0705	1	Switching		322-0240	1	Light, Indicator – 14 VDC
11	812-0061	4	Screw, Machine – Round Head (#6-32 x 3/8)		322-0241	1	Green – Run (DS2)
12	850-0020	4	Washer, Lock – Spring (#6)				Amber – Pre Hi Eng Temp (DS3)
13	300-2453-04	1	Monitor, Engine (A11) (Includes Parts Marked *)	322-0110	1		Amber – Pre Lo Oil Press (DS2)
14	812-0061	2	Screw, Machine – Round Head (#6-32 x 3/8)	322-0109	1		Red – Lo Eng Temp (DS6)
15	854-0006	2	Washer, Lock – IT (#6)	322-0111	1		Red – Hi Eng Temp (DS5)
16	860-0006	2	Nut, Hex (#6-32)	322-0107	1		Red – Overspeed (DS7)
17	307-1157	1	*Spring, Holdown – Relay	322-0108	1		Red – Overcrank (DS8)
18	307-1687	1	*Relay (A11K1)	36	301-5149	1	Red – Lo Oil Press (DS9)
19	508-0144	1	Grommet	37	815-0027	4	Panel, Control
20	821-0004	1	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)	38	856-0003	4	Screw, Machine – Truss Head (#10-32 x 1/2)
21	307-1886	2	Relay (K4, K11)	39	151-0565	1	Washer, Lock – EIT (#10)
22			Terminal, Ground (Includes Parts Marked #)	40	821-0014	4	Control Unit – Governor – 12 VDC (A12)
	815-0105	1	# Screw, Machine – Round Head – Brass (#10-32 x 1)	41	337-0049	1	Screw, Self Locking – Hex Washer Head (5/16-18 x 1/2)
	871-0010	2	# Nut, Hex – Brass (#10-32)	42	856-0008	2	Strap, Ground
	851-0001	1	# Washer, Lock – Spring – Brass (#10)	43	402-0078	4	Washer, Lock – EIT (5/16)
	856-0003	2	# Washer, Lock – EIT (#10)	44	301-6230	1	Dampener, Vibration
	526-0062	2	# Washer, Flat – Brass (#10)				Box, Control
23	322-0308	3	Lamp, Incandescent (DS10, DS11, DS12)				
24	193-0319	1	Gauge, Temperature – Water (M3)				
							* – Parts included in Engine Monitor Assembly
							# – Parts included in Ground Terminal Assembly

**Set Control  
Multi Fault Light & AC Meters  
(Spec A)**

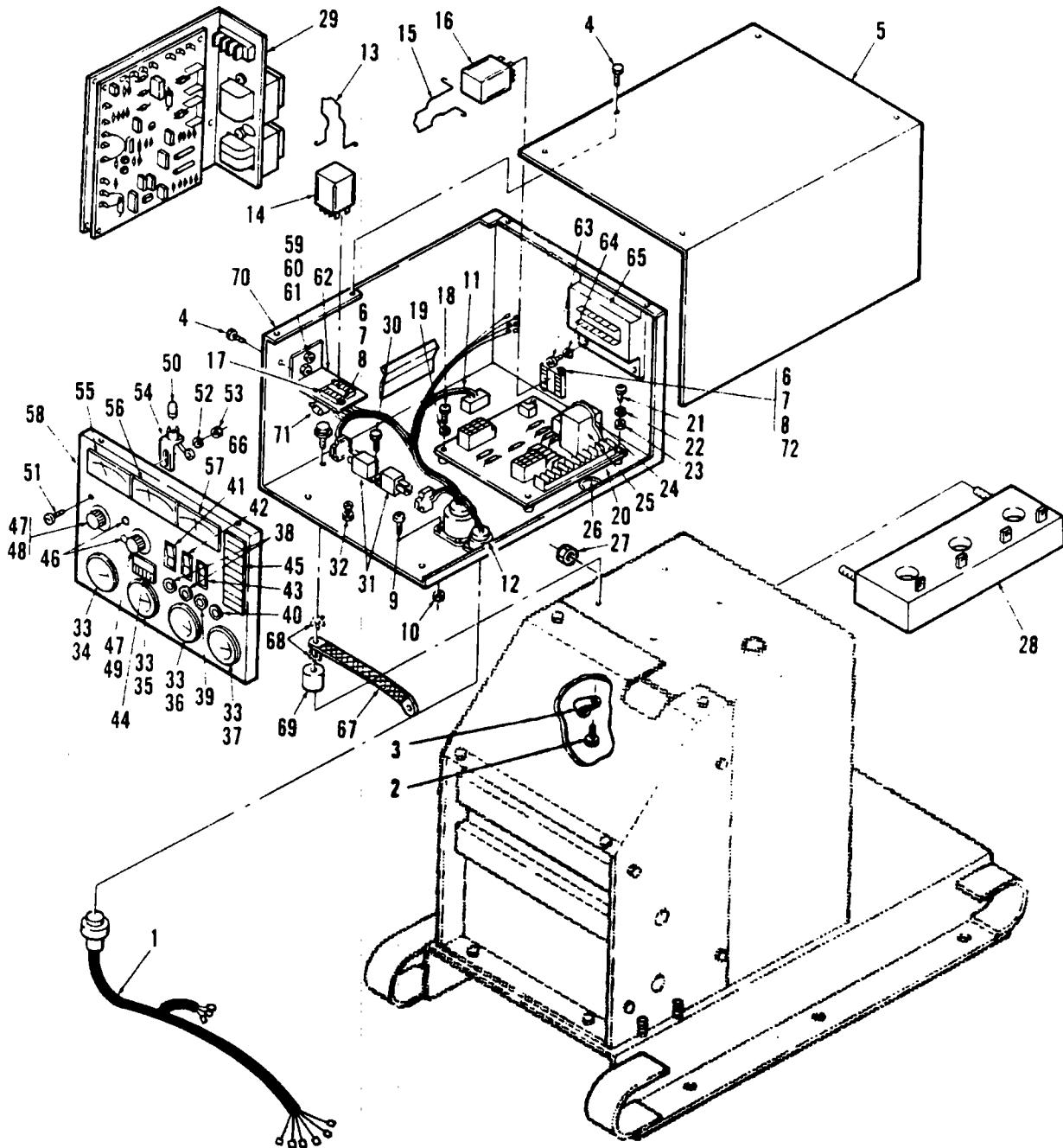


**Set Control**  
**Multi Fault Light & AC Meters**  
**(Spec A)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-1578	1	Harness, Wiring – Control to Generator	32			Terminal, Ground (Includes Parts Marked @)
2	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)	815-0105		1	@ Screw, Machine – Round Head – Brass (#10-32 x 1)
3	332-1356	1	Clamp, Loop	871-0010		2	@ Nut, Hex – Brass (#10-32)
4	821-0004	9	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)	851-0001		1	@ Washer, Lock – Spring – Brass (#10)
5	301-5150	1	Cover, Control	856-0003		2	@ Washer, Lock – EIT (#10)
6	812-0077	8	Screw, Machine – Round Head (#8-32 x 3/8)	526-0062		2	@ Washer, Flat – Brass (#10)
7	856-0002	4	Washer, Lock – EIT (#8)	33	322-0308	3	Lamp, Incandescent (DS10, DS11, DS12)
8	860-0008	4	Nut, Hex (#8-32)	34	193-0319	1	Gauge, Temperature – Water (M3)
9	812-0063	8	Screw, Machine – Round Head (#6-32 x 1/2)	35	193-0320	1	Gauge, Pressure – Oil (M2)
10	870-0183	8	Nut, Hex W/ET (#6-32)	36	302-1402	1	Ammeter – DC (M1)
11	338-1577	1	Harness, Wiring – Control – DC	37			Gauge/Meter (M5)
12			Harness, Wiring – Control – AC (Includes Parts Marked *)	193-0330		1	Gauge, Temperature – Oil Tachometer
	338-1460-01	1	Single Phase Sets	302-1411		1	
	338-1460-02	1	Three Phase Sets	38	320-0530	2	Breaker, Circuit – 5 Amp 120/240 VAC (CB1, CB2)
13	307-1157	1	Spring, Holdown – Relay	39	320-0540	1	Breaker, Circuit – 15 Amp 120/250 VAC (CB13)
14	307-1061	1	Relay, Selection – Voltage (K21) ( Used only on Three Phase Sets)	40	320-0505	1	Breaker, Circuit – 3 Amp 120/250 VAC (CB21)
15	307-1157	1	Spring, Holdown – Relay	41	308-0531	1	Switch, Push – SPDT (S10)
16	307-1058	1	Relay, Run (K12)	42			Switch, Push or Switch Blank
17	323-0765	1	*Socket, Relay (Less Terminals)	301-6257		1	Blank
	332-1280	6	Terminal (Relay Pin Sockets)	308-0624		1	SPDT – Used on Dual Fuel Systems
18	812-0061	4	Screw, Machine – Round Head (#6-32 x 3/8)	43	308-0532	1	Switch, Push – SPDT (S12)
19	850-0020	4	Washer, Lock – Spring (#6)	44	302-0885	1	Meter, Time Totalizing (M4)
20	300-2453-04	1	Monitor, Engine (A11) (Includes Parts Marked #)	45			Light, Indicator
21	812-0061	2	Screw, Machine – Round Head (#6-32 x 3/8)	322-0238		1	Green – Run (DS1)
22	854-0006	2	Washer, Lock – IT (#6)	322-0241		1	Amber – Pre Hi Eng Temp (DS3)
23	860-0006	2	Nut, Hex (#6-32)	322-0241		1	Amber – Pre Lo Oil Press (DS2)
24	307-1157	1	#Spring, Holdown – Relay	322-0110		1	Red – Lo Eng Temp (DS6)
25	307-1687	1	#Relay (A11K1)	322-0109		1	Red – Hi Eng Temp (DS5)
26	508-0144	1	Grommet	322-0111		1	Red – Overspeed (DS7)
27	870-0257	2	Nut, Self-Locking – Hex Washer Head (5/16-18)	322-0107		1	Red – Overcrank (DS8)
28			Transformer, Current	322-0108		1	Red – Lo Oil Press (DS9)
	302-1416	1	Single Phase Sets – Code 3	46	322-0211	2	Light, Indicator – 3W 125 VAC (DS21, DS22)
	302-1417	1	Three Phase Sets – Code 15	47	303-0032	2	Knob
	302-1755	1	Code 9XR	48	308-0284	1	Switch, Selector (S21)
29			Regulator, Voltage (VRA21) (See Separate Page for Components)	49	303-0170	1	Rheostat (R23)
	305-0583	1	Standard	50	322-0203	2	Lamp, Incandescent
	305-0705	1	Switching				* – Parts included in AC Control Wiring Harness
30	821-0004	1	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)				# – Parts included in Engine Monitor
31	307-1886	2	Relay (K4, K11)				@ – Parts included in Ground Terminal

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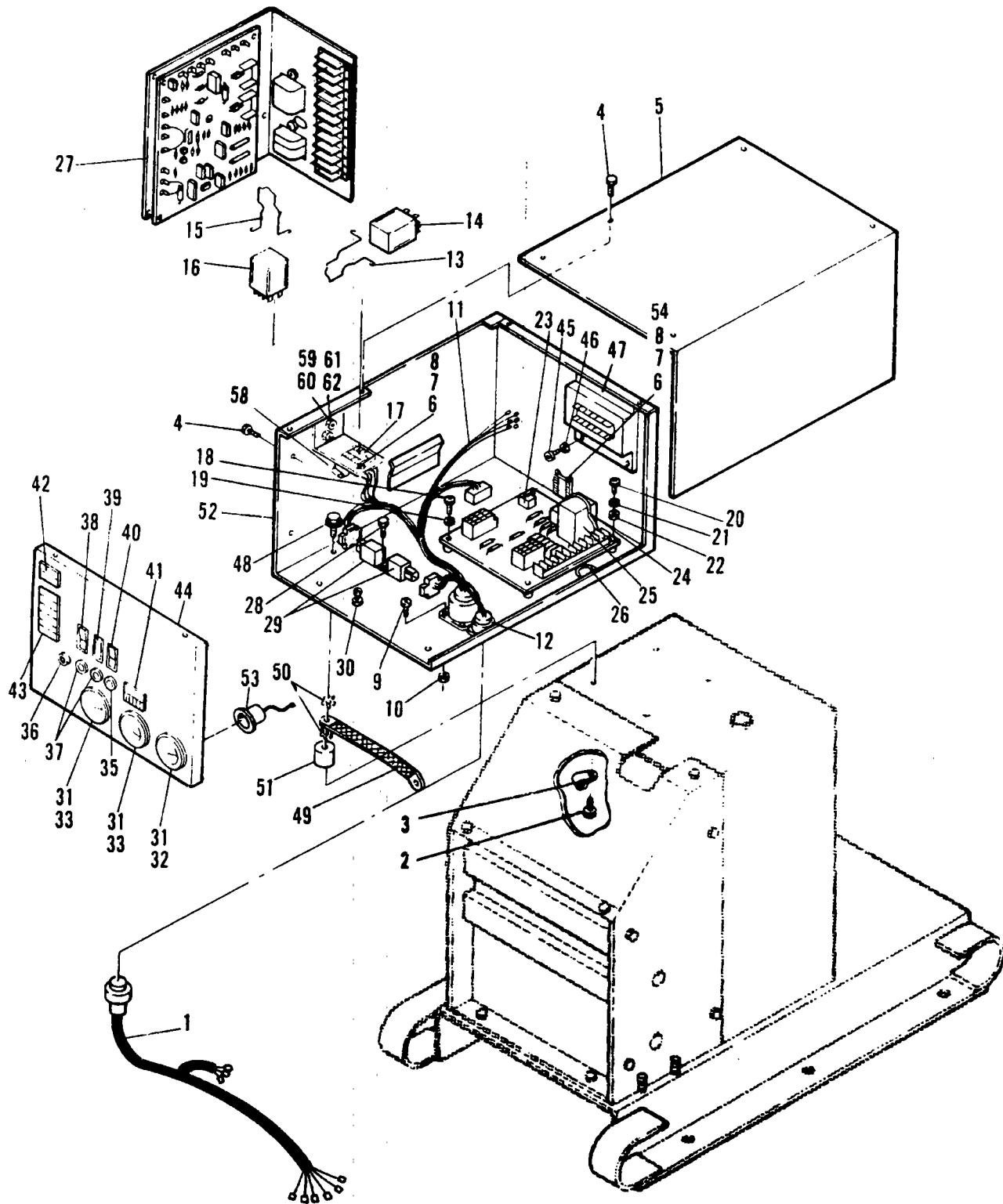
**Set Control  
Multi Fault Light & AC Meters  
(Spec A)  
(Continued)**



**Set Control**  
**Multi Fault Light & AC Meters**  
**(Spec A)**  
**(Continued)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
51	812-0029	2	Screw, Machine – Round Head (#4-40 x 3/8)	62	301-3244	1	Bracket, Mounting – Relay (Used on Three Phase Sets Only)
52	853-0001	4	Washer, Lock – ET (#4)	63	815-0027	4	Screw, Machine – Truss Head (#10-32 x 1/2)
53	860-0003	2	Nut, Hex (#4-40)	64	856-0003	4	Washer, Lock – EIT (#10)
54	322-0213	2	Lampholder	65	151-0565	1	Control Unit, Governor – 12 VDC (A12)
55			Ammeter, AC (M23)	66	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)
	302-1176	1	Single Phase Sets – Code 3	67	337-0049	1	Strap, Ground
	302-1147	1	Three Phase Sets – Code 15	68	856-0008	2	Washer, Lock – EIT (5/16)
	302-1754	1	Code 9XR	69	402-0078	4	Dampener, Vibration
56			Voltmeter, AC (M22)	70	301-6230	1	Box, Control
	302-1148	1	Code 3, 15	71	350-0556	1	*Resistor (R22)
	302-1753	1	Code 9XR	72	332-0804	1	Socket, Relay
57			Meter, Frequency (M21)				
	302-1153	1	60 Hertz				
	302-1273	1	50 Hertz				
58			Panel, Control				
	301-6852-01	1	With Three Round Gauge Holes				
	301-6852-02	1	With Four Round Gauge Holes				
59	812-0077	2	Screw, Machine – Round Head (#8-32 x 3/8)				* – Parts included in AC Control Wiring Harness
60	856-0002	2	Washer, Lock – EIT (#8)				# – Parts included in Engine Monitor
61	860-0008	2	Nut, Hex (#8-32)				@ -- Parts included in Ground Terminal

## **Set Control Single Fault Light (Begin Spec B)**



**Set Control  
Single Fault Light  
(Begin Spec B)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-1731	1	Harness, Wiring – Control to Generator	26	508-0144	1	Grommet
2	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)	27			Regulator, Voltage (VRA21) (See Separate Page for Components)
3	332-1356	1	Clamp, Loop	305-0704		1	Standard
4	821-0004	9	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)	305-0705		1	Switching
5	301-5150	1	Cover, Control	28	821-0004	1	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)
6	812-0077	4	Screw, Machine – Round Head (#8-32 x 3/8)	29	307-1886	2	Relay (K4, K5)
7	856-0002	2	Washer, Lock – EIT (#8)	30			Terminal, Ground (Includes Parts Marked #)
8	860-0008	4	Nut, Hex (#8-32)	815-0105		1	# Screw, Machine – Round Head (#10-32 x 1)
9	812-0063	8	Screw, Machine – Round Head (#6-32 x 1/2)	871-0010		2	# Nut, Hex – Brass (#10-32)
10	870-0183	8	Nut, Hex W/ET (#6-32)	851-0001		1	# Washer, Lock – Spring – Brass (#10)
11			Harness, Wiring – Control – DC				
	338-1643-01	1	Meters		856-0003	2	# Washer, Lock – EIT (#10)
	338-2676-01	1	Meters (Spec C)		526-0062	2	# Washer, Flat – Brass (#10)
	338-2777-02	1	Meters (Spec E)	31	322-0308	3	Lamp, Incandescent (DS10, DS11, DS12)
	338-1644	1	Switches				Gauge, Temperature – Water (M3)
	338-1646	1	Lights	32	193-0319	1	Gauge, Pressure – Oil (M2)
12			Harness, Wiring – Control – AC (Includes Parts Marked @)	33	193-0320	1	Ammeter, DC (M1)
	338-1642-02	1	Single Phase Sets	34	302-1402	1	Breaker, Circuit – 3 Amp 120/250 VAC (CB3)
	338-1642-03	1	Three Phase Sets	35	320-0505	1	Breaker, Circuit – 15 Amp 120/250 VAC (CB13)
	338-1642-04	1	Code 9XR Sets Only	36	320-0540	1	Breaker, Circuit – 7 Amp 120/250 VAC (CB1, CB2)
13	307-1157	1	Spring, Holddown – Relay	37	320-1920	2	Switch, Push – SPDT (S10)
14	307-1143	1	Relay, Start (K11)	38	308-0531	1	Switch, Push or Blank Switch
15	307-1157	1	Spring, Holddown – Relay	39	301-6257	1	Blank
16	307-1058	1	Relay, Run (K12)		308-0624	1	SPDT – Used on Dual Fuel Systems (S11)
17	323-0765	1	@Socket, Relay (Less Terminals)				
	332-1280	6	Terminal (Relay Pin Sockets)				
18	812-0061	4	Screw, Machine – Round Head (#6-32 x 3/8)				
19	850-0020	4	Washer, Lock – Spring (#6)				
20	812-0061	2	Screw, Machine – Round Head (#6-32 x 3/8)				
21	854-0006	2	Washer, Lock – IT (#6)				
22	860-0006	2	Nut, Hex (#6-32)				
23	300-2510	1	Monitor, Engine (A11) (Includes Parts Marked *)				
24	307-1157	1	*Spring, Holddown – Relay				
25	307-1687	1	*Relay (A11K1)				

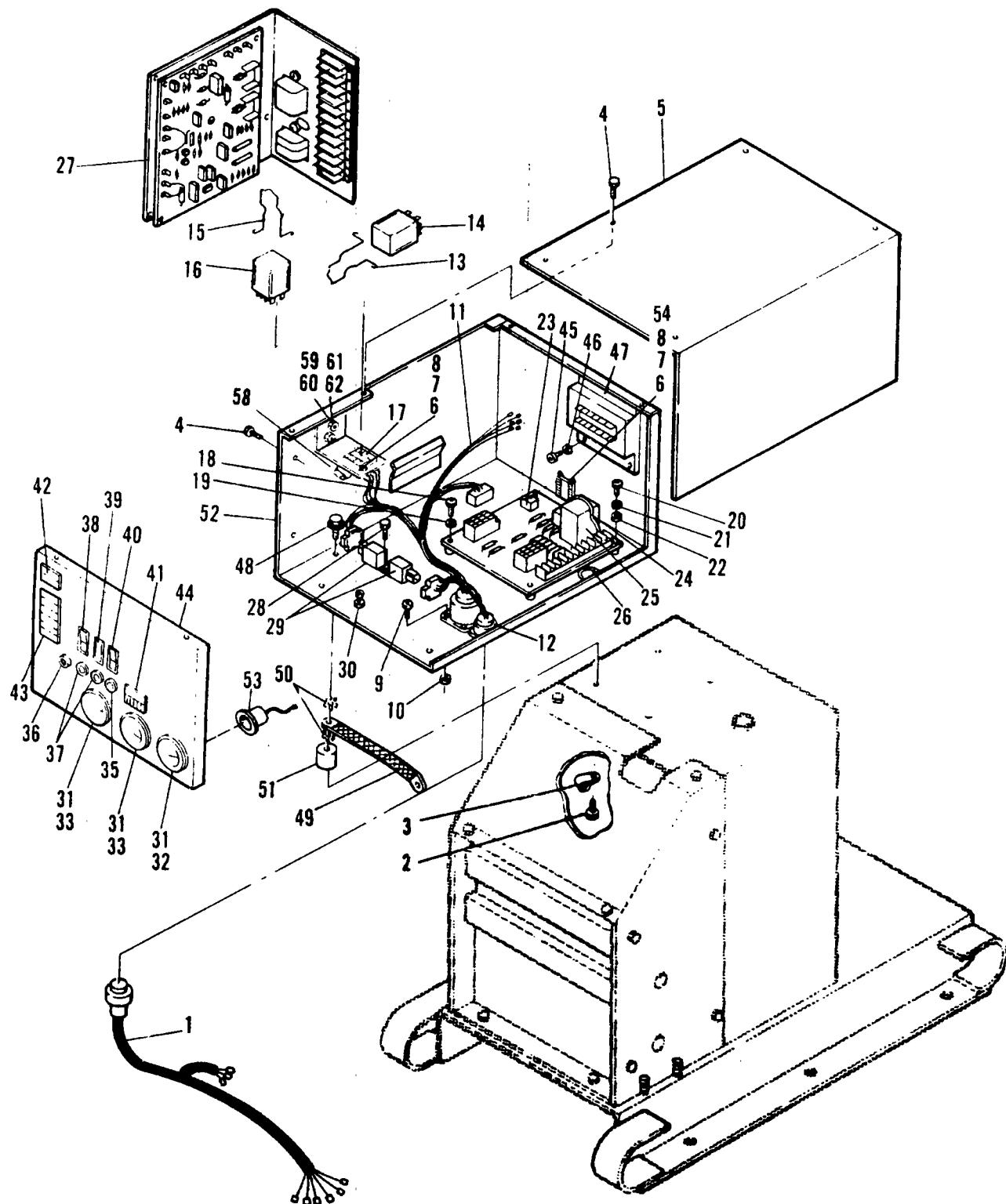
\* – Parts Included in Engine Monitor

# – Parts Included in Ground Terminal

@ – Parts Included in AC Control Wiring Harness

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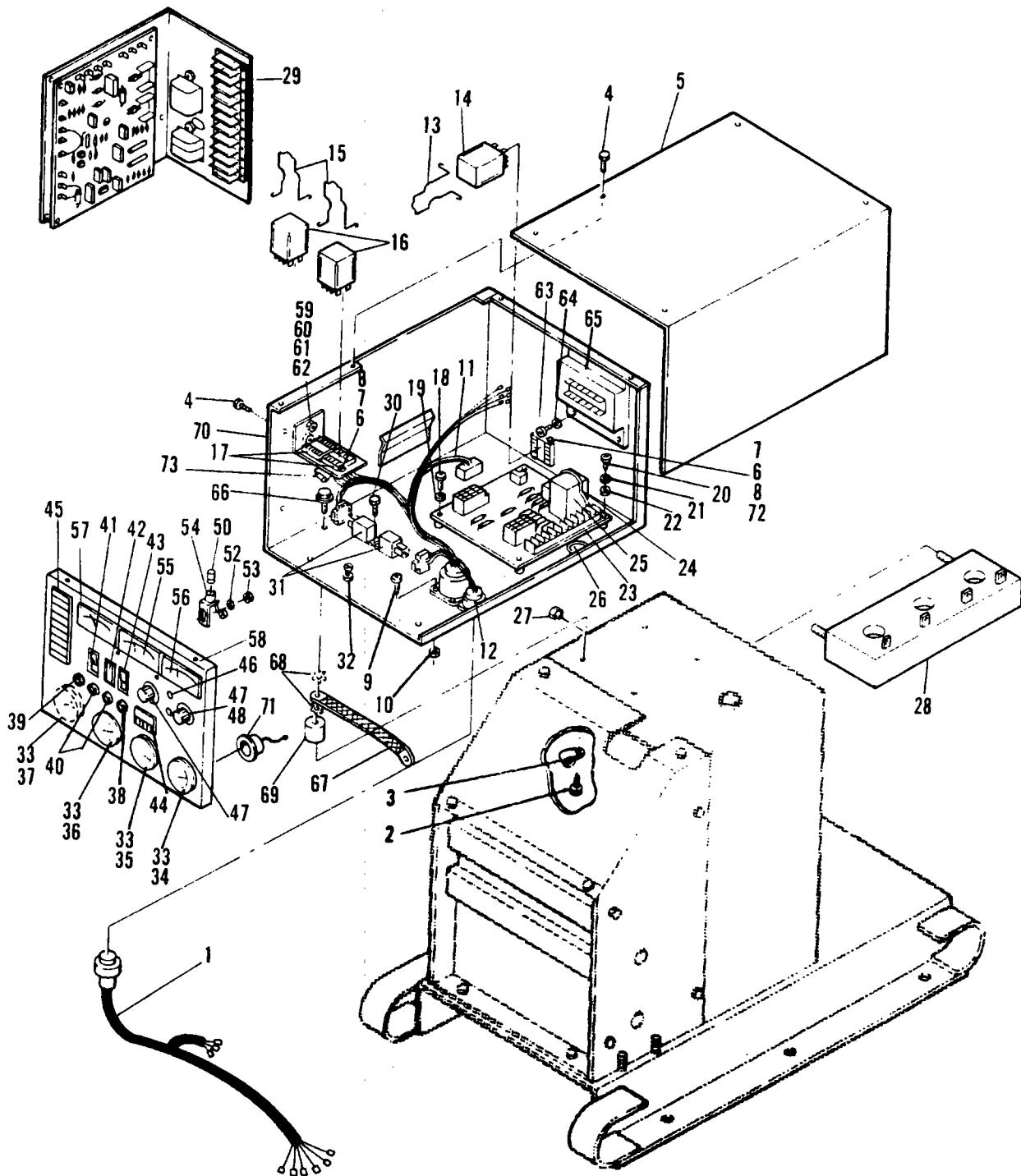
## **Set Control Single Fault Light (Begin Spec B) (Continued)**



**Set Control  
Single Fault Light  
(Begin Spec B)  
(Continued)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
40	308-0532	1	Switch, Push – SPST (S12)	52	301-6230	1	Box, Control
41	302-0885	1	Meter, Time Totalizing (M4)	53	322-0210	3	Lampholder
42			Light, Indicator – 14 VDC	54	323-0804	1	Socket, Relay
	322-0238	1	Green – Run (DS2)	58	350-0556	1	@ Resistor (R22)
	322-0128	1	Red – Fault (DS1)	59	812-0077	2	Screw, Machine – Round Head (#8-32 x 3/8)
43	322-0141	7	Lens with Bezel	60	856-0002	2	Washer, Lock – EIT (#8)
44	301-7348-01	1	Panel, Control	61	860-0008	2	Nut, Hex (#8-32)
45	815-0027	4	Screw, Machine – Truss Head (#10-32 x 1/2)	62	301-7334	1	Bracket, Mounting – Relay
46	856-0003	4	Washer, Lock – EIT (#10)	301-3244		1	Three Phase Sets
47	151-0565	1	Control Unit, Governor – 12 VDC (A12)				Single Phase Sets
48	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)				
49	337-0049	1	Strap, Ground				* – Parts Included in Engine Monitor
50	856-0008	2	Washer, Lock – EIT (5/16)				# – Parts Included in Ground Terminal
51	402-0078	4	Dampener, Vibration				@ – Parts Included in AC Control Wiring Harness

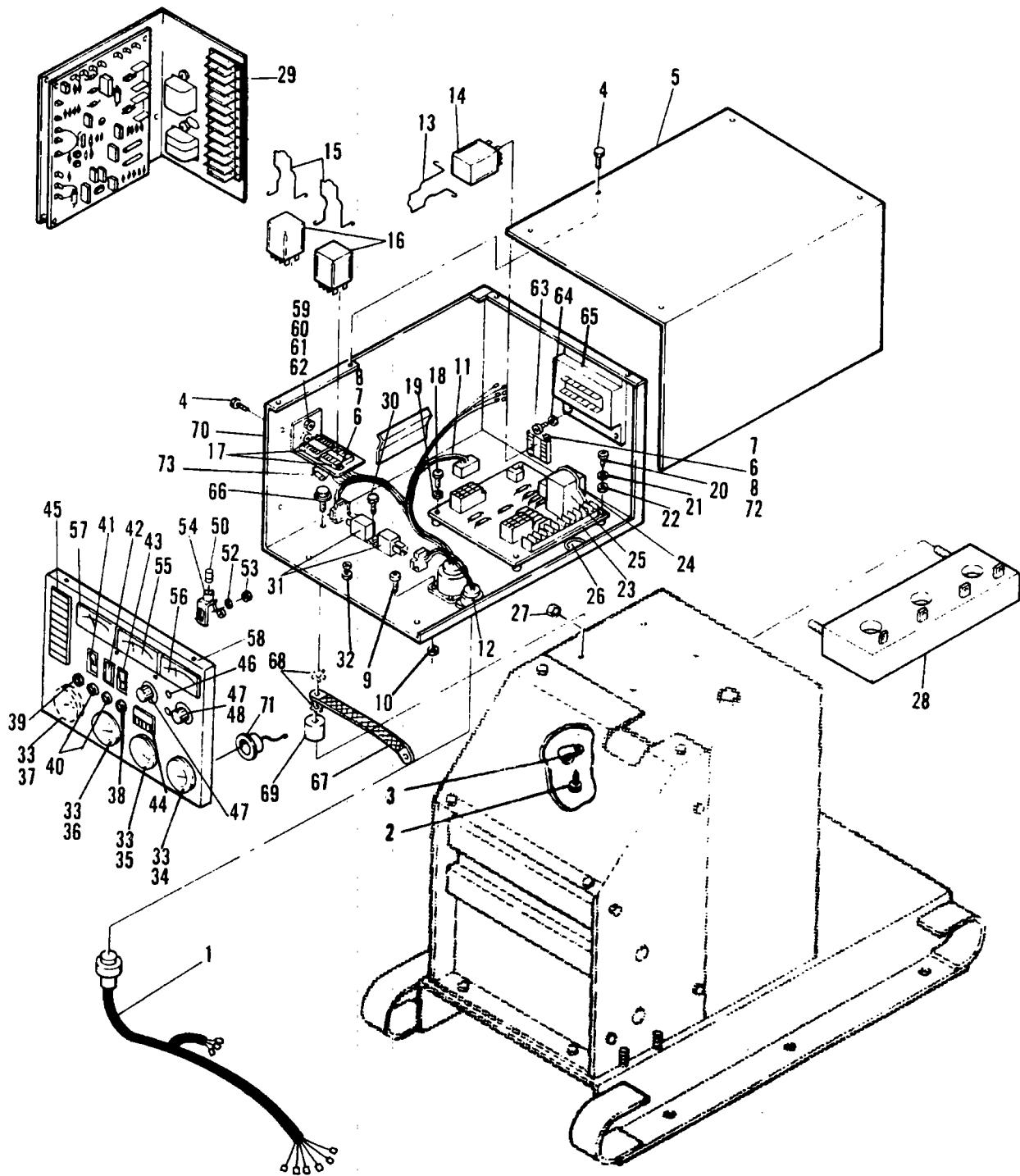
**Set Control  
Multi Fault Light & AC Meters  
(Begin Spec B)**



**Set Control**  
**Multi Fault Light & AC Meters**  
**(Begin Spec B)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-1731	1	Harness, Wiring – Control to Generator	30	821-0004	1	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)
2	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2)	31	307-1886	2	*Relay (K4, K5)
3	332-1356	1	Clamp, Loop	32			Terminal, Ground (Includes Parts Marked #)
4	821-0004	9	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16)	815-0105		1	# Screw, Machine – Round Head (#10-32 x 1)
5	301-5150	1	Cover, Control	871-0010		2	# Nut, Hex – Brass (#10-32)
6	812-0077	4	Screw, Machine – Round Head (#8-32 x 3/8)	851-0001		1	# Washer, Lock – Spring – Brass (#10)
7	856-0002	2	Washer, Lock – EIT (#8)	856-0003		2	# Washer, Lock – EIT (#10)
8	860-0008	4	Nut, Hex (#8-32)	526-0062		2	# Washer, Flat – Brass (#10)
9	812-0063	8	Screw, Machine – Round Head (#6-32 x 1/2)	33	322-0308	3	Lamp, Incandescent (DS10, DS11, DS12, DS13)
10	870-0183	8	Nut, Hex W/ET (#6-32)	34	193-0319	1	Gauge, Temperature – Water (M3)
11			Harness, Wiring – Control – DC Meters	35	193-0320	1	Gauge, Pressure – Oil (M2)
	338-1643-01	1	Meters (Spec C)	36	302-1402	1	Ammeter, DC (M1)
	338-2676-01	1	Meters (Spec E)	37			Gauge/Meter
	338-2777-02	1	Switches	193-0330		1	Gauge, Temperature – Oil
	338-1644	1	Lights	302-1409		1	Tachometer
12			Harness, Wiring – Control – AC (Includes Parts Marked @)	38	320-0505	1	Breaker, Circuit – 3 Amp 120/250 VAC (CB3)
	338-1642-02	1	Single Phase Sets	39	320-0540	1	Breaker, Circuit – 15 Amp 120/250 VAC (CB13)
	338-1642-01	1	Three Phase Sets	40	320-1920	2	Breaker, Circuit – 7 Amp 120/250 VAC (CB1, CB2)
13	307-1157	1	Spring, Holdown – Relay	41	308-0620	1	Switch, Push – SPDT (S10)
14	307-1058	1	Relay, Run (K12)	42			Switch, Push or Blank Switch
15	307-1157	1	Spring, Holdown – Relay	301-6257		1	Blank
16			Relay	308-0624		1	SPDT – Used on Dual Fuel Systems (S11)
	307-1143	1	Start Disconnect (K11)	43	308-0532	1	Switch, Push – SPST (S12)
	307-1061	1	Voltage Selection (K12)	44	302-0885	1	Meter, Time Totalizing (M4)
15	307-1157	1	Spring, Holdown – Relay	45			Light, Indicator – 14 VDC
16	307-1058	1	Relay, Run (K12)	322-0238		1	Green – Run (DS2)
17	323-0765	1	@ Socket, Relay (Less Terminals)	322-0240		1	Amber – Pre Hi Eng Temp (DS3)
	332-1280	6	Terminal (Relay Pin Sockets)	322-0241		1	Amber – Pre Lo Oil Press (DS2)
18	812-0061	4	Screw, Machine – Round Head (#6-32 x 3/8)	322-0110		1	Red – Lo Eng Temp (DS6)
19	850-0020	4	Washer, Lock – Spring (#6)	322-0109		1	Red – Hi Eng Temp (DS5)
20	812-0061	2	Screw, Machine – Round Head (#6-32 x 3/8)	322-0111		1	Red – Overspeed (DS7)
21	854-0006	2	Washer, Lock – IT (#6)	322-0107		1	Red – Overcrank (DS8)
22	860-0006	2	Nut, Hex (#6-32)	322-0108		1	Red – Lo Oil Press (DS9)
23	300-2453-04	1	Monitor, Engine (A11)	46	322-0211	2	Light, Indicator – 3W 125 VAC (DS21, DS22)
24	307-1157	1	*Spring, Holdown – Relay	47	303-0032	2	Knob
25	307-1687	1	*Relay (A11K1)	48	308-0284	1	Switch, Selector (S21)
26	508-0144	1	Grommet	49	303-0170	1	Rheostat (R23)
27	870-0257	2	Nut, Self-Locking – Hex Washer Head (5/16-18)	50	322-0203	2	Lamp, Incandescent
28			Transformer, Current				
	302-1416	1	Single Phase Sets – Code 3				
	302-1417	1	Three Phase Sets – Code 15				
	302-1755	1	Code 9XR				
29			Regulator, Voltage (VRA21) (See Separate Page for Components)				
	305-0704	1	Standard				* – Parts Included in Engine Monitor
	305-0705	1	Switching				# – Parts Included in Ground Terminal
							@ – Parts Included in AC Control Wiring Harness
							<b>Continued...</b>

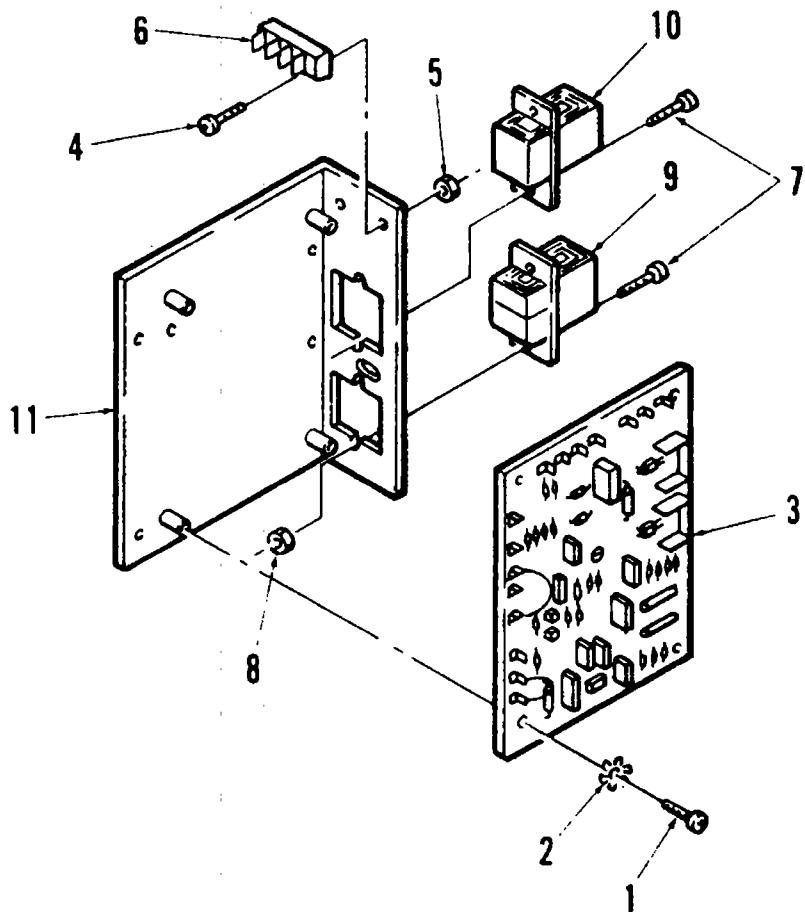
**Set Control  
Multi Fault Light & AC Meters  
(Begin Spec B)  
(Continued)**



**Set Control**  
**Multi Fault Light & AC Meters**  
**(Begin Spec B)**  
**(Continued)**

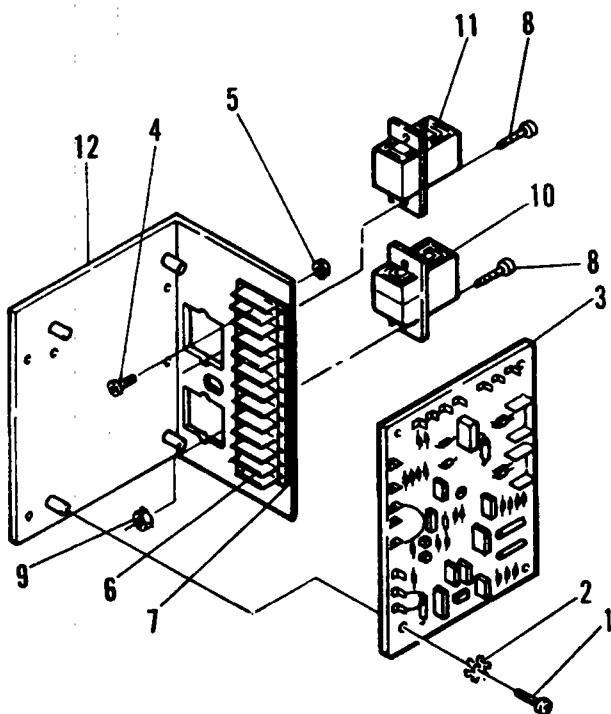
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
51	812-0029	2	Screw, Machine – Round Head (#4-40 x 3/8)	62	301-7334	1	Bracket, Mounting – Relay
52	853-0001	4	Washer, Lock – ET (#4)		301-3244	1	Three Phase Sets
53	860-0003	2	Nut, Hex (#4-40)	63	815-0027	4	Single Phase Sets
54	322-0213	2	Lampholder		64	856-0003	Screw, Machine – Truss Head (#10-32 x 1/2)
55			Ammeter, AC		65	151-0565	Washer, Lock – EIT (#10)
	302-1176	1	Single Phase Sets – Code 3		66	821-0014	Control Unit, Governor – 12 VDC
	302-1147	1	Three Phase Sets – Code 15				(A12)
	302-1754	1	Code 9XR				Screw, Self-Locking – Hex
56			Voltmeter, AC (M22)				Washer Head (5/16-18 x 1/2)
	302-1148	1	Code 3, 15	67	337-0049	1	Strap, Ground
	302-1753	1	Code 9XR	68	856-0008	2	Washer, Lock – EIT (5/16)
57			Meter, Frequency (M21)	69	402-0078	4	Dampener, Vibration
	302-1153	1	60 Hertz	70	301-6230	1	Box, Control
	302-1273	1	50 Hertz	71	322-0210	4	Lampholder
58			Panel, Control	72	323-0804	1	Socket, Relay
	301-7349-01	1	With Three Round Gauge Holes	73	350-0556	1	@ Resistor (R22)
	301-7349-02	1	With Four Round Gauge Holes				* – Parts Included in Engine Monitor
59	812-0077	2	Screw, Machine – Round Head (#8-32 x 3/8)				# – Parts Included in Ground Terminal
60	856-0002	2	Washer, Lock – EIT (#8)				@ – Parts Included in AC Control Wiring Harness
61	860-0008	2	Nut, Hex (#8-32)				

**Voltage Regulator Assembly – Standard  
(Spec A)**



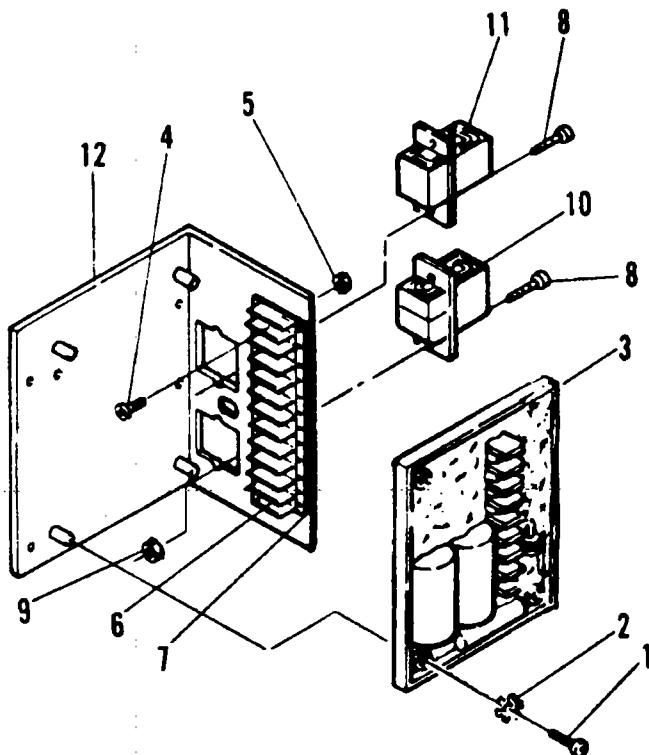
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2)	7	812-0070	4	Screw, Machine – Round Head (#6-32 x 1-1/4)
2	853-0003	4	Washer, Lock – ET (#6)	8	870-0183	4	Nut, Self-Locking – Hex W/ET (#6-32)
3	300-1540	1	Regulator, Voltage (VR21)	9	315-0386	1	Transformer (T21)
4	812-0063	2	Screw, Machine – Round Head (#6-32 x 1/2)	10	315-0391	1	Reactor (L21)
5	870-0183	2	Nut, Self-Locking – Hex W/ET (#6-32)	11	301-3719	1	Panel, Mounting – Voltage Regulator
6	332-1655	1	Block, Terminal (TB21)				

**Voltage Regulator Assembly – Standard  
(Begin Spec B)**



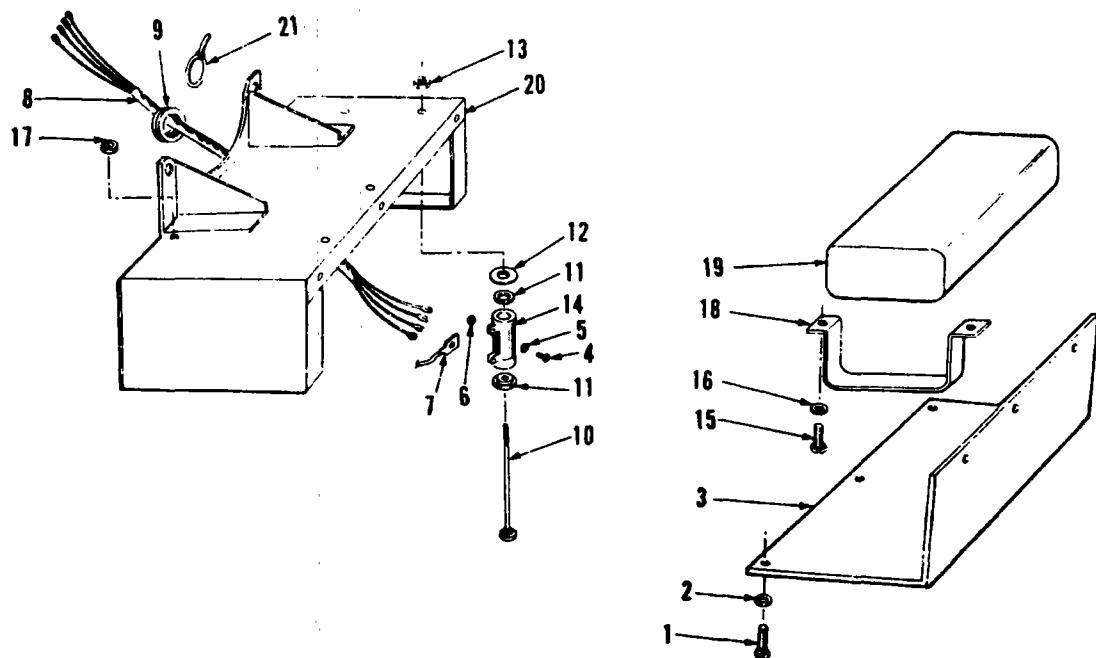
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2)	8	812-0070	4	Screw, Machine – Round Head (#6-32 x 1-1/4)
2	853-0003	4	Washer, Lock – ET (#6)	9	870-0183	4	Nut, Self-Locking – Hex W/ET (#6-32)
3	300-1654	1	Regulator, Voltage (VR21)	10	315-0386	1	Transformer (T21)
4	812-0063	2	Screw, Machine – Round Head (#6-32 x 1/2)	11	315-0391	1	Reactor (L21)
5	870-0183	2	Nut, Self-Locking – Hex W/ET (#6-32)	12	301-8106	1	Panel, Mounting – Voltage Regulator
6	332-0751	1	Block, Terminal (TB21)				
7	332-2651	1	Strip, Marker				

## Voltage Regulator Assembly Switching



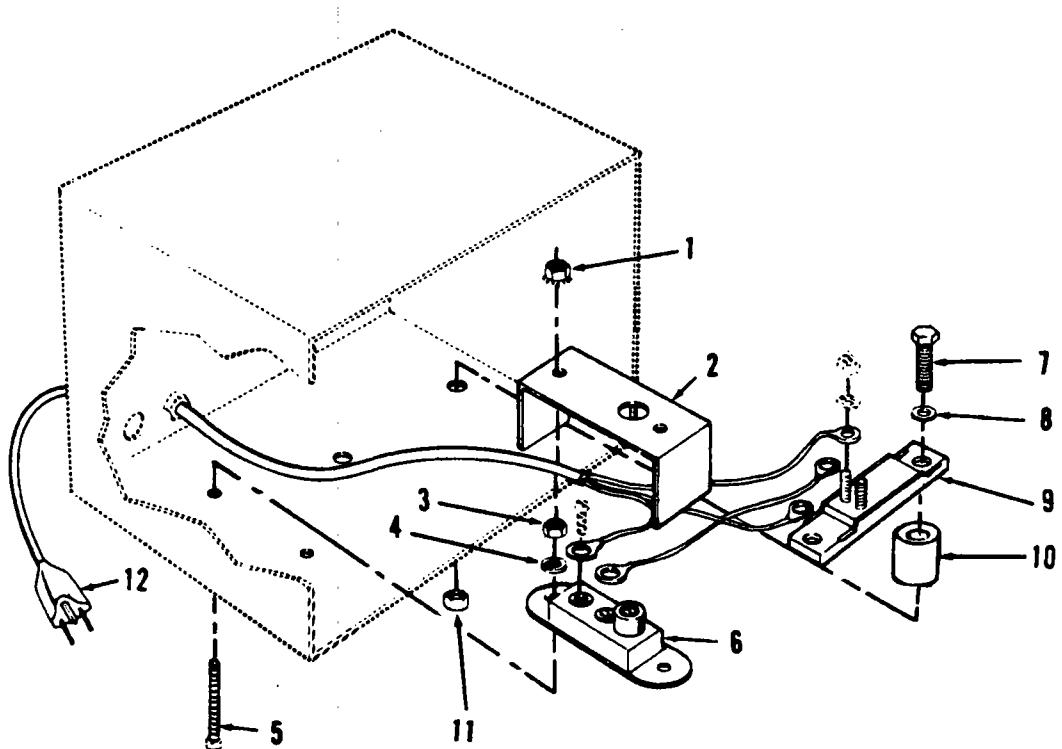
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2)	7	332-2651	1	Strip, Marker
2	853-0003	4	Washer, Lock – ET (#6)	8	812-0070	4	Screw, Machine – Round Head (#6-32 x 1-1/4)
3	305-0688	1	Regulator, Voltage (VR21)	9	870-0183	4	Nut, Self-Locking – Hex W/ET (#6-32)
4	812-0063	2	Screw, Machine – Round Head (#6-32 x 1/2)	10	315-0386	1	Transformer (T21)
5	870-0183	2	Nut, Self-Locking – Hex W/ET (#6-32)	11	315-0391	1	Reactor (L21)
6			Block, Terminal (TB21)	12	301-8106	1	Panel, Mounting – Voltage Regulator
	332-1655	1	Spec A				
	332-0751	1	Begin Spec B				

## Voltage Regulator Filter



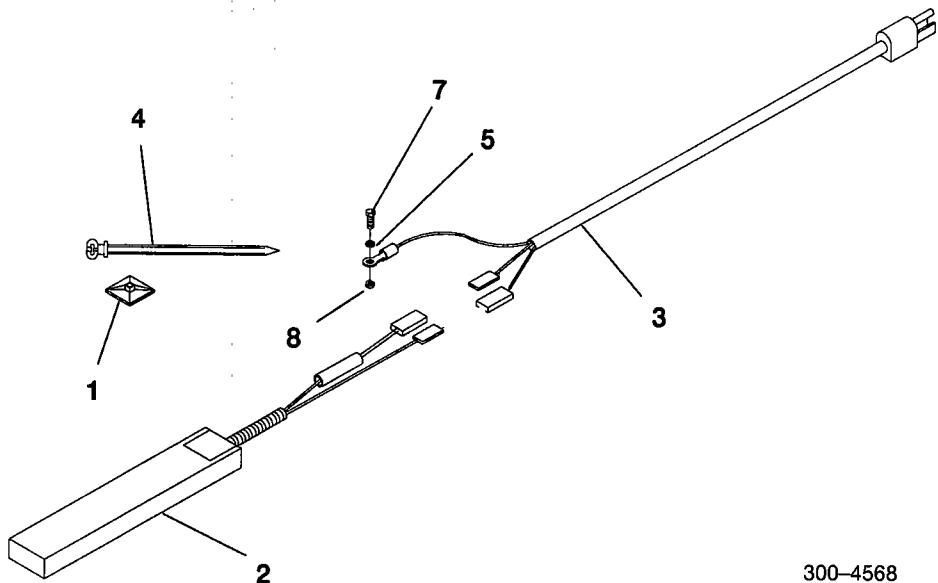
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	813-0098	1	Screw, Machine – Round Head (#10-32 x 3/8)	11	304-0015	4	Washer, Centering
2	850-0030	6	Washer, Lock – Spring (#10)	12	304-0292	2	Insulator – Resistor
3	232-2463	1	Cover	13	870-0053	2	Nut, Hex (#10-32)
4	815-0001	4	Screw, Machine – Binding Head (#6-32 x 1/4)	14	304-0120	2	Resistor, Fixed (2 Ohm, 25 Watt)
5	853-0003	4	Washer, Lock – ET (#6)	15	812-0079	4	Screw, Machine – Round Head (#8-32 x 1/2)
6	860-0006	4	Nut, Hex (#6-32)	16	850-0025	4	Washer, Lock – Spring (#8)
7	332-1279	4	Terminal, Lug	17	860-0008	4	Nut, Hex (#8-32)
8	338-1165	1	Harness, Wiring	18	312-0198	2	Bracket, Mounting – Capacitor
9	508-0071	1	Grommet	19	312-0197	1	Capacitor
10	813-0112	2	Screw, Machine – Round Head (#10-32 x 2-1/2)	20	232-2462	1	Box, Mounting – Filter
				21	332-0942	2	Tie, Cable

**Control Heater  
(Spec A-F)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0183	2	Nut, Self-Locking – Hex W/ET (#6-32)	8	526-0113	2	Washer, Flat (5/16)
2	301-1886	1	Cover, Thermostat	9	333-0151	1	Heater, Electrical – 75 Watt, 120 VAC: 300 Watt, 240 VAC
3	860-0006	2	Nut, Hex (#6-32)	10	130-1107	2	Spacer, Sleeve
4	854-0006	2	Washer, Lock – IT (#6)	11	870-0257	2	Nut, Self-Locking – Hex Washer Head (5/16-18)
5	812-0070	2	Screw, Machine – Round Head (#6-32 x 1-1/4)	12	335-0161	1	Cable, Electrical
6	309-0128	1	Thermostat, Adjustable				
7	800-0034	2	Screw, Cap – Hex Head (5/16-18 x 2-1/4)				

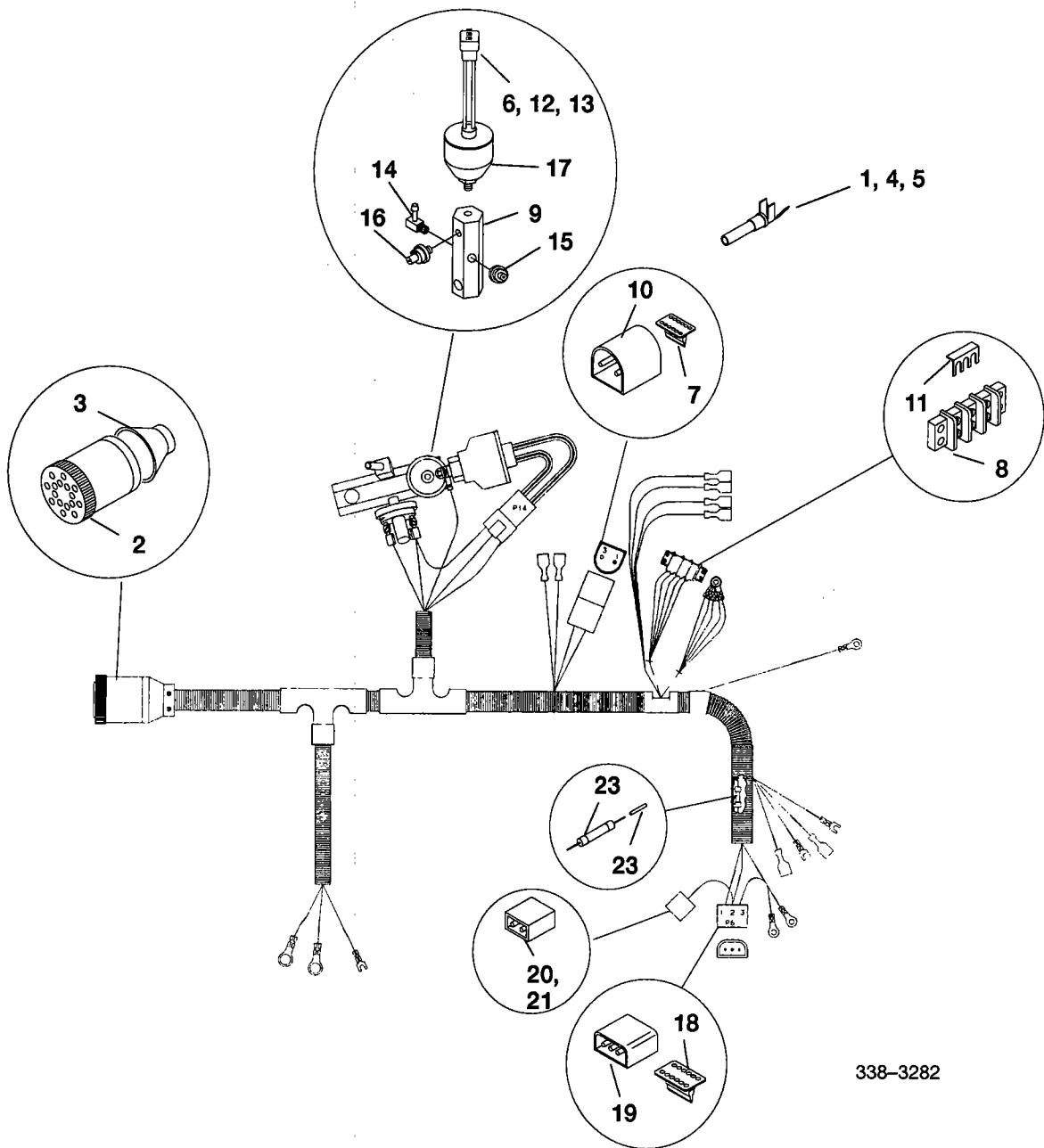
**Control Heater  
(Spec G)**



300-4568

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3338	1	Mount, Tie - Cable	5	856-0008	2	Washer, EIT (5/16)
2			Heater	6	098-6195	1	Label, Caution
	300-4515-01	1	120 Volt	7	800-0024	1	Screw, Cap - Hex Head
	300-4515-02	1	240 Volt				(5/16-18 x 3/4)
3	335-0173	1	Cable, Heater - Control	8	870-0257	1	Nut, Self-Locking (5/16-18)
4	332-0942	AR	Tie, Cable				

## Engine Harness (Spec G)



338-3282

**Engine Harness  
(Spec G)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-3282	1	Harness, Wiring – Engine (Includes parts marked *)	13	323-1546	1	*
1	323-1492	15	* Socket, Terminal	14	502-0053	1	Plug (4 Pin)
2	323-1134	1	* Plug, Circular (16 Pin)	15	309-0641-03	1	Elbow, Street – Pipe
3	332-2304	1	* Clamp, Cable	16	309-0641-07	1	Switch, Pressure – Low Oil
4	323-1195	A/R	* Socket, Female (14 – 18 AWG)	17	193-0448	1	Pressure
5	323-1192	A/R	* Socket, Female (12 – 14 AWG)	18	191-2179	1	Switch, Pressure – Pre Low
6	323-1591	1	* Plug, Connector	19	191-2179	1	Oil Pressure
7	166-0849	1	* Wedge, Connector (P8)	20	191-2177	1	Sender, Oil Pressure
8	332-0611	1	* Block, Terminal	21	191-2176	1	Wedge, Connector (P6)
9	120-1312-02	1	* Manifold, Oil Pressure	22	332-3058	2	Connector (P7)
10	166-0848	1	* Connector (P8)	23	350-0980	1	Terminal, Receptacle (P7)
11	332-1043	2	* Jumper, Terminal Block				Connector (P7)
12	323-1548	1	* Wedge, Plug (4 Pin)				Splice
							Resistor (510n, 2W, 5%)

\* – Parts Included In 338-3282 Engine Wiring Harness

# Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
098-6195, 97		140-0722, 12, 13		149-1774, 17, 27, 29, 39, 41, 43		155-3018, 50	
101-0819, 11		140-0765, 12, 13		149-1776, 17, 25, 27		166-0728, 9	
102-1054, 9		140-1083, 17		149-1810, 17, 25, 27		166-0844, 11	
102-1054-01, 11		140-1089, 14, 17		149-1832, 19, 21, 23		166-0848, 99	
102-1461, 9		140-1401, 14		149-1869, 17, 25, 27		166-0849, 99	
115-0025, 52		140-1436, 12		149-2331, 29, 39, 41, 43		179-0585, 29, 39	
120-1312-02, 99		140-1437, 12		149-2491-02, 33, 35, 45		191-0571, 55	
122-0193, 9		140-1438, 12		149-2492-02, 29, 31, 33, 35, 37, 39, 41, 43, 45		191-0716, 55	
128-0198, 69		140-1439, 12		149-2507, 29, 39, 41, 43		191-0941, 55	
130-0661, 61		140-1584, 14		150-0723, 75		191-1361-01, 55	
130-0755, 48		140-1756, 12, 13		150-0939, 52, 53		191-1368, 55	
130-0988, 55		140-1758, 12		150-1406, 51		191-1370, 9	
130-1107, 96		140-2829, 14		150-1445, 75		191-1373, 55	
130-1341, 61		140-2985, 12, 13		150-1446, 75		191-1375, 55	
130-1551, 63		141-0905, 29, 39		150-1733, 52		191-1387, 55	
130-1782, 63		141-0906, 29, 39		150-2314, 52		191-1390, 55	
130-1783, 63		141-0908, 29, 39		150-2331, 52		191-1576, 61	
130-1788, 63, 65		141-0909, 29, 39		150-2563, 75		191-1872, 55	
130-1792, 63		141-0910, 29, 39		150-2620, 53		191-1873, 55	
130-1793, 63		141-0911, 17, 25, 27, 29, 39, 41, 43		150-2622-02, 29, 31, 33, 35, 37, 39, 41, 43, 45		191-1981, 55	
130-1797, 63		141-0915, 19, 21, 23, 27		151-0565, 51, 77, 79, 83, 87, 91		191-1983-01, 55	
130-1798, 63		141-0916, 29, 39		151-0566, 51		191-2032, 55	
130-1805, 63		141-0944, 17, 25, 27		151-0713-01, 52		191-2041, 55	
130-1806, 63		141-0951, 17, 25, 27		151-0714, 52		191-2055, 55	
130-1808, 55		141-0953, 17, 25, 27, 29, 39, 41		154-2987, 11		191-2090, 55	
130-2029, 63		141-0954, 23, 31, 33, 35, 37, 43, 45		155-0360, 50		191-2115, 9	
130-2053, 47		141-0959, 17, 19, 21, 23, 25, 27		155-0927, 50		191-2176, 99	
130-2253, 63, 65		141-0971, 41, 43, 45		155-1239, 41, 43, 45		191-2177, 99	
130-2476, 47		145-0544, 29, 39		155-1256, 29, 31, 33, 35, 37, 39		191-2179, 99	
130-2556, 61		148-0367-01, 46		155-1900, 9		191-2188, 55	
130-2557, 61		148-0597, 19, 21, 23, 29, 31, 33, 35, 45		155-1924, 50		191-2203, 65	
130-2559, 61		148-0626, 21, 23, 33, 35, 45		155-1926, 50		193-0244, 9	
130-3079, 63, 65		148-0627, 21, 23		155-2005, 50		193-0318, 9, 11	
130-3552, 63, 65		148-0637, 19, 21, 27, 33, 35, 37, 39		155-2073, 9		193-0319, 77, 79, 81, 85, 89	
130-3553, 63, 65		148-0691, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45		155-2076, 9		193-0320, 77, 79, 81, 85, 89	
130-4415, 65		148-0737, 19, 23, 25, 41, 43, 45		155-2984, 11		193-0329, 47	
130-4446, 65		148-0998, 33, 45				193-0330, 81, 89	
130-4447, 65						193-0448, 99	
130-4448, 65						201-2151, 75	
130-4469, 65						201-2299, 75	
133-0219, 14						201-2934, 75	
140-0078, 50						201-2935, 75	
140-0721, 12, 13							

# Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
201-3177, 75		301-7349-01, 91		308-0284, 81, 89		322-0141, 87	
201-3178, 75		301-7349-02, 91		308-0531, 77, 79, 81, 85		322-0203, 81, 89	
211-0256, 75		301-8106, 93, 94		308-0532, 77, 79, 81, 87, 89		322-0210, 87, 91	
220-2009, 75		302-0885, 77, 79, 81, 87, 89		308-0620, 89		322-0211, 81, 89	
220-2308, 75		302-1147, 83, 91		308-0624, 77, 79, 81, 85, 89		322-0213, 83, 91	
220-3652, 75		302-1148, 83, 91		309-0128, 96		322-0238, 77, 79, 81, 87, 89	
220-3685, 75		302-1153, 83, 91		309-0179, 9, 11		322-0240, 79, 89	
220-3686, 75		302-1176, 83, 91		309-0269, 9, 11		322-0241, 79, 81, 89	
220-3687, 75		302-1273, 83, 91		309-0437, 9, 11		322-0308, 77, 79, 81, 85, 89	
220-3691, 75		302-1402, 77, 79, 81, 85, 89		309-0598, 61		323-0765, 81, 85, 89	
220-3946, 75		302-1409, 89		309-0641-03, 99		323-0804, 87, 91	
220-3947, 75		302-1411, 81		309-0641-07, 99		323-1134, 99	
226-3317, 71		302-1416, 81, 89		309-0641-17, 9		323-1192, 99	
226-3462-02, 9		302-1417, 81, 89		309-0641-18, 9		323-1195, 99	
226-3462-04, 57		302-1753, 83, 91		312-0197, 95		323-1492, 99	
226-3462-05, 57		302-1754, 83, 91		312-0198, 95		323-1546, 99	
231-0252, 11		302-1755, 81, 89		315-0386, 92, 93, 94		323-1548, 99	
232-2398, 75		303-0032, 81, 89		315-0391, 92, 93, 94		323-1591, 99	
232-2418, 75		303-0170, 81, 89		320-0505, 77, 79, 81, 85, 89		331-0041, 72	
232-2462, 95		304-0015, 95		320-0530, 77, 79, 81		332-0611, 99	
232-2463, 95		304-0120, 95		320-0540, 77, 79, 81, 85, 89		332-0751, 93, 94	
232-2826, 75		304-0292, 95		320-0630-01, 70		332-0804, 83	
234-0519, 75		305-0583, 77, 79, 81		320-0632-01, 70		332-0819, 17, 25	
234-0665, 11		305-0688, 94		320-0638-01, 70		332-0942, 95, 97	
234-0691, 72		305-0704, 85, 89		320-0640-01, 70		332-1043, 99	
300-1540, 92		305-0705, 77, 79, 81, 85, 89		320-0641-01, 70		332-1279, 95	
300-1654, 93		306-0155, 41		320-0642-01, 70		332-1280, 81, 85, 89	
300-2453-04, 79, 81, 89		307-0268, 19, 23, 25, 41, 43, 45		320-0643-01, 70		332-1356, 71, 77, 79, 81, 85, 89	
300-2510, 77, 85		307-0312, 19, 21, 23, 27, 29, 31, 33, 35, 37, 39, 45		320-0645-01, 70		332-1473, 57	
300-4515-01, 97		307-0833, 61		320-0646, 70		332-1655, 92, 94	
300-4515-02, 97		307-1058, 81, 85, 89		320-0647-01, 70		332-2304, 99	
301-1886, 96		307-1061, 81, 89		320-0700-01, 70		332-2605, 52	
301-3244, 83, 87, 91		307-1143, 85, 89		320-0701-01, 70		332-2634, 9, 11	
301-3719, 92		307-1157, 77, 79, 81, 85, 89		320-1397, 70		332-2651, 93, 94	
301-5149, 79		307-1279, 17, 25, 27		320-1398, 70		332-3058, 99	
301-5150, 77, 79, 81, 85, 89		307-1617, 57		320-1851-11, 70		332-3338, 97	
301-6230, 77, 79, 83, 87, 91		307-1687, 77, 79, 81, 85, 89		320-1920, 85, 89		333-0151, 96	
301-6257, 77, 79, 81, 85, 89		307-1886, 77, 79, 81, 85, 89		322-0107, 79, 81, 89		333-0157, 72	
301-6582, 77		307-2817-01, 29, 33, 35, 39, 41, 45		322-0108, 79, 81, 89		333-0203, 48	
301-6852-01, 83		308-0005, 29, 35, 39, 41		322-0109, 79, 81, 89		333-0588-01, 49	
301-6852-02, 83		308-0150, 29, 35, 39, 41		322-0110, 79, 81, 89		333-0623, 49	
301-7334, 87, 91				322-0111, 79, 81, 89		335-0161, 96	
301-7348-01, 87				322-0128, 77, 87			

# Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
335-0173, 97		403-1787, 57, 59		502-0047, 19, 23, 25		503-0801, 14	
336-0476, 11, 57, 59		403-1796, 57		502-0053, 99		503-0808, 11	
336-3124, 9		403-1830, 57, 59		502-0054, 19, 23, 25, 41, 43, 45		503-0833, 49	
336-7062, 17, 27		403-1832, 57		502-0065, 11		503-0869, 61, 63, 65	
336-8228, 17, 27		403-1833, 57		502-0133, 9		503-0883, 17, 25, 27, 29, 39, 41, 43	
337-0049, 77, 79, 83, 87, 91		403-3834, 59		502-0155, 11		503-1058, 61, 63	
337-0090, 57		403-3836, 59		502-0164, 47		503-1059, 23	
338-1165, 95		405-1872, 67, 69		502-0313, 29, 39, 41, 43		503-1073, 23	
338-1448, 79		405-2704, 67, 69		502-0395, 17, 25, 27		503-1074, 12, 13	
338-1455, 9		405-2713, 67, 69		502-0587, 19		503-1076, 19	
338-1459, 77, 79		405-2804, 67		502-0613, 48, 49		503-1103, 41, 43, 45	
338-1460-01, 81		405-2808, 67, 69		502-0799, 9		503-1137, 61	
338-1460-02, 81		405-2912, 70		502-0801, 47		503-1168, 41, 43, 45	
338-1506, 77		405-2913, 70, 71		502-0809, 47		503-1418, 47	
338-1577, 81		405-2915, 70		502-0861, 9		503-1552-01, 48, 49	
338-1578, 77, 81		405-2916, 70		502-0870, 48, 49		503-1552-03, 49	
338-1642-01, 89		405-2941, 63, 69		502-0942, 41, 43, 45		503-1684, 63	
338-1642-02, 85, 89		405-3362, 67, 69		502-0943, 11, 19, 25		503-1774, 25	
338-1642-03, 85		405-5327, 59		502-0971, 41, 43, 45		503-1870-03, 14	
338-1642-04, 85		405-5329, 65		502-1031, 25		503-1908, 14	
338-1643-01, 85, 89		405-5330, 71		503-0131, 41, 43, 45		503-1909-02, 25	
338-1644, 85, 89		405-5331, 71		503-0146, 19, 23, 25		504-0003, 47, 63, 65	
338-1645, 89		405-5332, 71		503-0183, 19, 23, 25, 48, 49		504-0004, 33, 35	
338-1646, 85		406-0369, 67		503-0197, 9, 11		504-0011, 9, 11	
338-1731, 71, 85, 89		406-0490, 67, 69		503-0261, 49		504-0019, 61	
338-2676-01, 85, 89		406-0491, 67, 69		503-0276, 9		505-0002, 19, 29, 31, 33, 35, 37, 39, 61	
338-2677, 9		406-0493, 67, 69		503-0324, 19		505-0007, 9, 21, 23	
338-2777-02, 85, 89		406-0561, 67, 69		503-0352, 19, 23, 25		505-0011, 46	
338-2782, 9		406-0614, 69		503-0365, 12, 13		505-0013, 61	
338-2797, 9		406-0615, 69		503-0398, 19, 25, 41		505-0020, 21, 23	
350-0556, 83, 87, 91		416-0530, 11		503-0419, 12, 13		505-0021, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39	
350-0980, 99		416-0613, 9		503-0429, 23, 61, 63, 65		505-0029, 35	
357-0018, 57		416-0618, 11		503-0465, 12, 13, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 45		505-0036, 50	
357-0026, 57		416-0643, 9		503-0492, 61		505-0040, 19, 21, 23, 27	
357-0030, 47		416-0961, 57		503-0498, 14		505-0041, 23	
358-0069, 75		416-1016, 11		503-0509, 9		505-0043, 50	
358-0070, 75		501-0004, 11		503-0542, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45		505-0050, 11	
402-0078, 77, 79, 83, 87, 91		501-0005, 21, 23		503-0685, 9, 17, 25, 27, 29, 39, 41, 43, 47		505-0054, 11	
402-0282, 57, 59		502-0002, 21, 23				505-0059, 9	
402-0284, 57		502-0004, 17, 25, 27, 29, 39, 41, 43					
402-0285, 57, 59		502-0018, 25, 27					
402-0286, 57, 59		502-0029, 11, 47					
402-0290, 57, 59							

# Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
505-0078, 19, 25, 27		510-0112, 75		800-0261, 9		813-0105, 50	
505-0080, 19, 41, 43, 45		511-0112, 55, 63		800-0500, 59		813-0112, 95	
505-0084, 33, 35, 45		512-0133, 63		800-2034, 65		814-1181, 55	
505-0085, 19, 25, 29, 31, 33, 35, 37, 39, 41, 43, 45		512-0154, 63		800-2057, 11, 59		815-0001, 95	
505-0086, 45		515-0093, 55		800-2058, 17, 19, 21, 23, 25, 27		815-0027, 77, 79, 83, 87, 91	
505-0098, 9		515-0094, 75		800-2063, 55		815-0103, 29, 39	
505-0099, 33, 41, 43, 45		517-0094, 29, 31, 33, 35, 37, 39		800-2071, 63		815-0105, 77, 79, 81, 85, 89	
505-0100, 19, 27, 41, 43, 45, 61		517-0138-09, 63		800-2072, 63		815-0181, 63	
505-0101, 11		517-0245, 69		800-2073, 65		815-0194, 63, 65, 75	
505-0102, 19, 21, 23, 27, 29, 31, 33, 35, 37, 39, 45		520-0799, 75		800-2084, 61		815-0389, 29, 39, 41, 43	
505-0106, 9, 19, 21, 23, 25		526-0003, 67, 69		800-2085, 12, 13		815-0652, 29, 35, 39	
505-0108, 21, 23		526-0008, 75		800-2086, 9, 11, 57, 59		816-0152, 63, 65	
505-0129, 21, 23, 33, 35, 41, 43, 45		526-0014, 57, 59		800-2089, 11		818-0150, 67, 69	
505-0130, 41, 43		526-0015, 57		800-2091, 11		821-0004, 77, 79, 81, 85, 89	
505-0132, 19, 25, 29, 31, 33, 35, 37, 39, 41, 43, 45		526-0018, 53		800-2093, 11, 57		821-0005, 69	
505-0135, 9, 23		526-0022, 57		800-2095, 59		821-0007, 63	
505-0166, 21, 23, 33, 35		526-0029, 69, 71, 75		800-2097, 55		821-0008, 14	
505-0167, 41, 43, 45		526-0030, 55		800-3036, 11		821-0009, 67, 70	
505-0169, 23		526-0032, 55		801-0003, 53		821-0010, 9, 57, 69, 75	
505-0183, 50		526-0062, 77, 79, 81, 85, 89		803-0032, 11		821-0011, 67, 69	
505-0185, 11		526-0077, 75		803-2001-08, 29, 31, 33, 35, 37, 39, 41, 43, 45		821-0014, 47, 63, 77, 79, 81, 83, 85, 87, 89, 91	
505-0210, 19, 21, 23		526-0113, 50, 55, 96		803-2011-03, 29, 31, 33, 35, 37, 39, 41, 43, 45		821-0015, 47	
505-0268, 45		526-0122, 19, 21, 23, 59		805-0015, 75		821-0016, 61, 63	
505-0307, 41, 43, 45		526-0141, 65		812-0029, 83, 91		821-0018, 21, 23, 48, 61	
505-0330, 23		526-0174, 11, 59, 65		812-0059, 70		821-0020, 70	
505-0337, 33, 35, 45		526-0260, 75		812-0061, 77, 79, 81, 85, 89		821-5002-03, 71	
505-0356, 33, 35, 41, 43, 45		526-0399-16, 49		812-0063, 77, 79, 81, 85, 89, 92, 93, 94		821-5003-01, 71	
505-0438, 29, 31, 37, 39		526-2100, 11, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39		812-0067, 11		821-5003-03, 65	
505-0462, 50		800-0002, 67		812-0070, 92, 93, 94, 96		821-6002-03, 49	
505-0754, 33, 35		800-0004, 19, 23, 25, 57, 75		812-0077, 81, 83, 85, 87, 89, 91		821-6003-02, 29, 31, 33, 35, 37, 39, 41, 43, 45, 49	
505-0763, 9		800-0008, 53		812-0079, 95		850-0020, 70, 77, 79, 81, 85, 89	
505-0903, 41, 43		800-0011, 57		812-0084, 69		850-0025, 95	
505-1371, 46		800-0023, 50		812-0098, 67		850-0030, 52, 67, 95	
505-1496, 33, 45		800-0024, 97		812-0148, 67		850-0040, 19, 23, 25, 67	
508-0001, 71		800-0026, 12, 13		812-0153, 12, 13		850-0045, 55, 57, 67	
508-0071, 95		800-0033, 50		813-0096, 29, 39, 41, 43		850-0046, 12, 13	
508-0144, 70, 77, 79, 81, 85, 89		800-0034, 96		813-0098, 41, 95		850-0050, 55, 57, 61, 63, 75	
508-0210, 63, 65		800-0048, 55		813-0100, 52, 75		850-0055, 57, 59	
509-0094, 75		800-0050, 57		813-0103, 52		850-2005, 55	
		800-0051, 61, 75				850-2008, 11, 55	
		800-0081, 57, 59					

# Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
850-2010, 12, 13, 57, 59, 61		856-0009, 57, 59		862-0015, 12, 13, 67		870-0257, 50, 57, 61, 63,	
851-0001, 77, 79, 81, 85, 89		856-0010, 11, 75		865-0020, 17		65, 69, 70, 71, 81, 89, 96,	
851-0039, 55		860-0003, 83, 91		870-0053, 52, 95		97	
853-0001, 83, 91		860-0006, 77, 79, 81, 85,		870-0065, 53		870-0258, 67, 69	
853-0003, 92, 93, 94, 95		89, 95, 96		870-0131, 41, 52, 53, 69, 75		870-0281, 57, 65	
853-0008, 75		860-0008, 81, 83, 85, 87,		870-0151, 55		870-0284, 75	
853-0013, 57, 75		89, 91, 95		870-0183, 11, 77, 79, 81, 85,		870-2055, 29, 31, 33, 35,	
854-0006, 77, 79, 81, 85,		860-2006, 55		89, 92, 93, 94, 96		37, 39, 55	
89, 96		860-2008, 11, 17, 19, 21, 23,		870-0188, 50		870-2056, 41, 43, 45, 55	
89, 91		25, 27, 49, 55		870-0212, 14, 21, 23, 47,		870-2161, 55	
856-0002, 81, 83, 85, 87,		861-0011, 12, 13		48, 57, 61, 67, 69, 71		871-0010, 77, 79, 81, 85, 89	
856-0003, 77, 79, 81, 83,		862-0001, 57, 67, 75		870-0221, 69		895-0157, 50	
85, 87, 89, 91		862-0003, 57, 61, 63		870-0250, 75		895-0195, 69	
856-0006, 71		862-0004, 57		870-0251, 47, 57			
856-0008, 77, 79, 83, 87,		862-0011, 67, 75					
91, 97							